



TourneSOL SITEWORKS

BETWEEN LANDSCAPE
+ARCHITECTURE

Welcome to our Lookbook and Catalog for 2014.

Change is in the air. And it's a good change – more opportunities, more optimism, and a vision of a brighter tomorrow. Designers are presented with the opportunity to do more, rather than always challenged to do less. Rooftops, long ignored by developers, are becoming *de rigueur* in commercial projects.

For those that have followed our progress over the years, you know that we embrace change. Since starting as a manufacturer of self-watering pots in 1979, we've reinvented ourselves more than just once! We continue to layer innovation onto the existing product lines we manufacture, and introduce creative ideas that make sense to our designer and contractor customers.

And if you aren't all that familiar with us, welcome! You'll find that Tournesol Siteworks is the company that defines the intersection between landscape and architecture – where nature and structure coexist. Among other things, we are a leading manufacturer of lightweight pots & planters for commercial applications, create the "gold standard" when it comes to self-watering container irrigation systems, and set the pace for the rapidly evolving green wall business. You'll find that our history of working together with specifiers and designers underpins our service, and ensures that we remain true to your design intent.

Changes for 2014 include root barrier products from Vespro, Inc. (a business we bought in May 2013), a truly sustainable structural wood tile made from our Boulevard wood, more innovations in our greenwall lines, and a partnership with the talented designers at Luxxbox in Brisbane, Australia.

We've changed the way that we're presenting our product lines in this year's catalog, too. Things are divided, roughly speaking, in "stuff you can see" (pots & planters, site furnishings) at the front of the catalog and the "stuff you don't" (irrigation, pedestals, drainage products) toward the back.

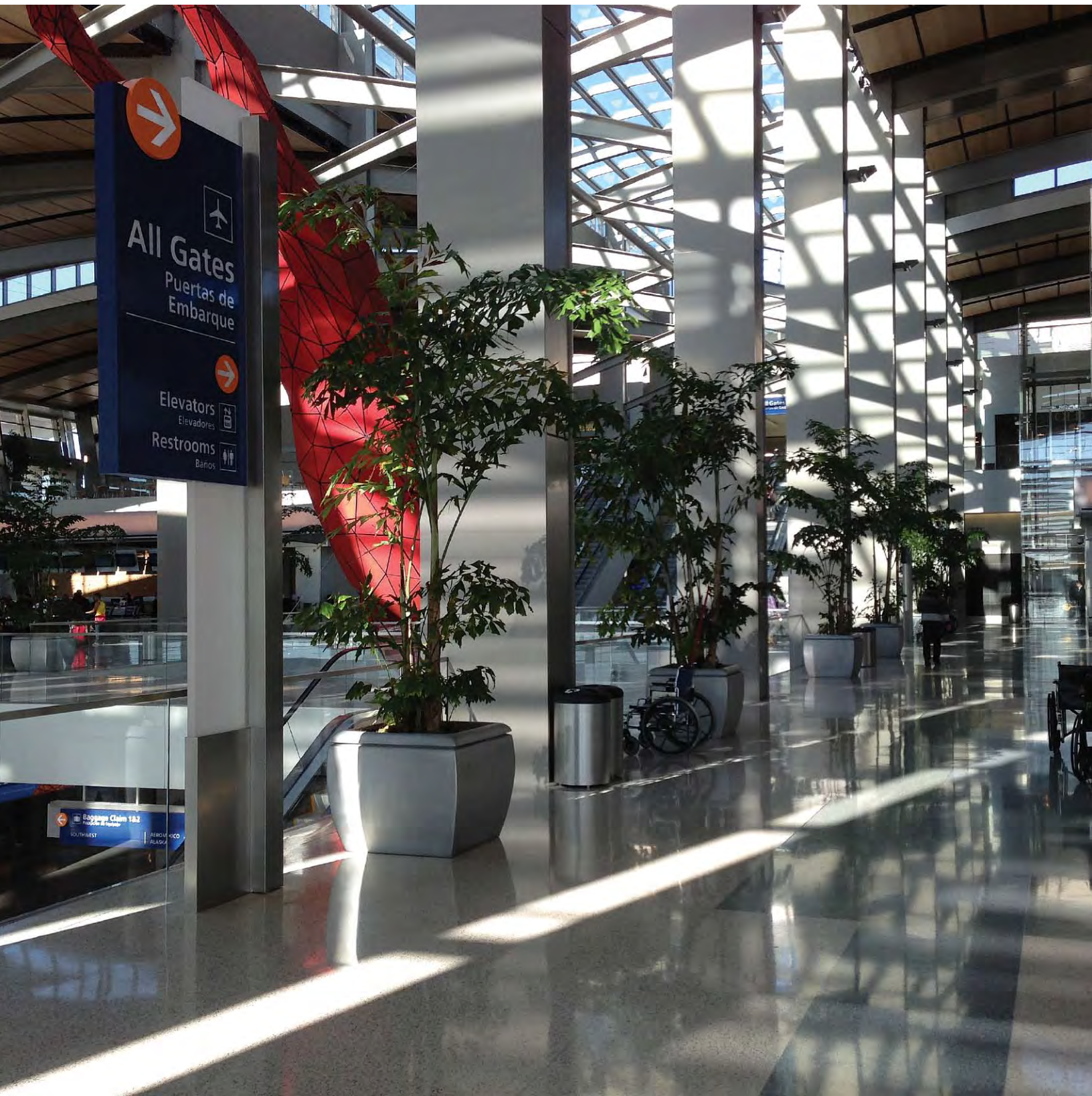
Embrace the change occurring around you, and join with us as we lead the industry with creative, commercial-grade products to bridge the space between landscape & architecture!



Christopher Lyon, President



tournesolsiteworks.com | 800.542.2282



Sacramento International Airport, Sacramento, CA.
Metro Collection pots with CWI-1700 irrigation.
Design: Vandertoolen and Associates



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Site Furnishings

The urban landscape is nothing without people. Structuring space to influence their interaction is a key role of the designer. The success of a space, whether a rooftop, plaza or streetscape, is determined by the ability of the designer to provide necessary amenities that are highly functional, intuitive, and durable.

Along with our successful relationship with Street & Garden Furniture, we've begun a partnership with Luxxbox of Brisbane, Australia. Our furnishings spring from a design viewpoint unique in the industry – straight from the other side of the globe!

University of California Berkeley, Anna Head Housing, Berkeley, CA.
Design: Andrea Cochrane Landscape Architects

OPPOSITE LEFT
Alexandra Headlands, Queensland, Australia.
Design: Street & Garden Furniture

OPPOSITE RIGHT
Patagonia Headquarters, Ventura, CA.
Design: Arcadia Studios



TWIG Bench

Design: Alexander Lotersztain 2007



TWIG is a highly configurable modular seating system which promotes social interaction and a casual lifestyle. TWIG is currently available in lightweight GFRC Concrete. Part of a highly successful collaboration of Street & Garden Furniture and Derlot Editions, TWIG is already a best seller in Australia and throughout Europe. Tournesol Siteworks is the exclusive manufacturer and representative for TWIG concrete in North America.

Part. No.	Description	Material	Size	Weight
G-01	TWIG Bench	GFRC concrete	96" x 89", Seat 18" x 18"	700 lbs.



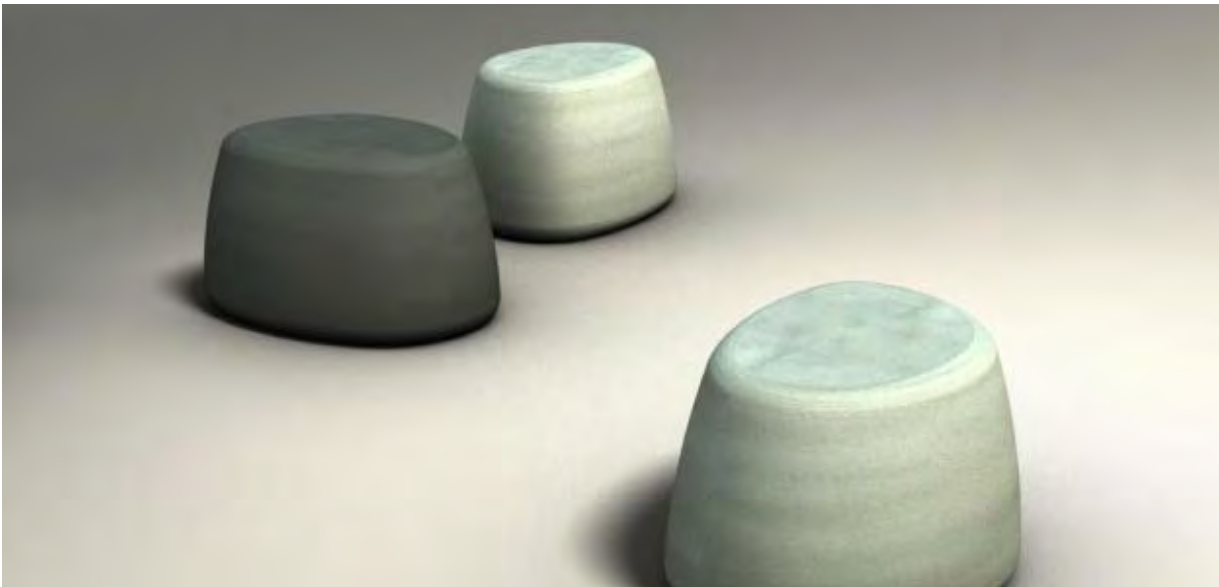


Base Collection

Design: Alexander Lotersztain 2013

The Base Collection adds a touch of whimsy to café, patio and al fresco dining. Simple, durable yet comfortable, the lightweight GFRC concrete table will hold up to the most demanding conditions. The modern aesthetic works in any commercial environment.

Part. No.	Description	Material	Size	Weight
BC-36	Base Collection Table	Polished GFRC Concrete	36" Dia. x 29"H., Base 16" Dia.	225 lbs.
BC-16	Base Collection Stool	Polished GFRC Concrete	16" Dia. x 18"H.	75 lbs. each



Pebble Stool

Design: Surya Graf 2010



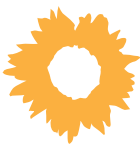
A simple, natural shape practical for any installation. Cast in lightweight GFRC concrete, the Pebble Stool is durable yet surprisingly comfortable. The seat top is slightly domed to prevent water build-up, and available with an internal bracket for anchoring.

Part. No.	Description	Material	Size	Weight
YC-01	Pebble Stool	GFRC Concrete	29.5" x 24.6" x 18"h.	150 lbs.



Wilshire Collection Benches

Design: Wayne Yankee, 2012



The Wilshire Collection is Tournesol Siteworks' most popular collection of planters. The coordinating suite of benches reflect the same simple aesthetic and modular character of the pots. The unique angled elements make this an unlimited toolbox for the designer.

Available as a series of backless benches and modular stools/table tops in lightweight GFRC concrete, the products integrate with a new size of Wilshire planter. It's easy to integrate green into long runs of benches, or seating into runs of planters.

Part. No.	Description	Material	Size	Weight
WCF-24	24" L Wilshire Bench	GFRC Concrete	24"L x 18"W x 18"H	85 lbs.
WCF-300	Wilshire Stool/Table	GFRC Concrete, with powder-coated steel top	19.75" Square x 18"H	125 lbs.
WCF-48	48" L Wilshire Bench	GFRC Concrete	48"L x 18"W x 18"H	145 lbs.
WCF-72	72" L Wilshire Bench	GFRC Concrete	72"L x 18"W x 18"H	205 lbs.
WCF-96	96" L Wilshire Bench	GFRC Concrete	96"L x 18"W x 18"H	260 lbs.
WCF-1845	45° Wilshire Bench	GFRC Concrete	43"L x 18"W x 18"H	135 lbs.
WCF-1890	90° Wilshire Bench	GFRC Concrete	36"L x 18"W x 18"H	160 lbs.

Modular Sizes



WCF-24



WCF-48



WCF-72



WCF-96



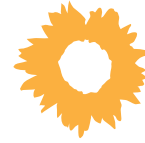
WCF-1845



WCF-1890

Urban Collection Benches

Design: Wayne Yankee, 2012



The Urban Collection of benches mirrors the Wilshire Collection's modularity, but with a tapered bottom for a lighter, more modern feel echoing our popular Urban Collection of pots & planters.

Part. No.	Description	Material	Size	Weight
UCF-24	24" Urban Bench	GFRC Concrete	24"L x 18"W x 18"H	85 lbs.
UCF-300	Urban Bench Planter	Powder-coated steel bench between two GFRC Concrete pots	24"W x 23"H, Bench 66"L x 16"W	200 lbs.
UCF-48	48" Urban Bench	GFRC Concrete	48"L x 18"W x 18"H	145 lbs.
UCF-72	72" Urban Bench	GFRC Concrete	72"L x 18"W x 18"H	205 lbs.
UCF-96	96" Urban Bench	GFRC Concrete	96"L x 18"W x 18"H	260 lbs.
UCF-1845	45° Urban Bench	GFRC Concrete	43"L x 24"W x 30"H	135 lbs.
UCF-1890	90° Urban Bench	GFRC Concrete	46"L x 18"W x 18"H	160 lbs.
UCF-241818	24" Urban Planter, flat ends	GFRC Concrete	24"L x 18"W x 18"H	85 lbs.
UCF-481818	48" Urban Planter, flat ends	GFRC Concrete	48"L x 18"W x 18"H	145 lbs.
UCF-721818	72" Urban Planter, flat ends	GFRC Concrete	72"L x 18"W x 18"H	205 lbs.
UCF-961818	96" Urban Planter, flat ends	GFRC Concrete	96"L x 18"W x 18"H	260 lbs.



Modular Sizes



UCF-24



UCF-48



UCF-72



UCF-96



UCF-1845



UCF-1890



Rune

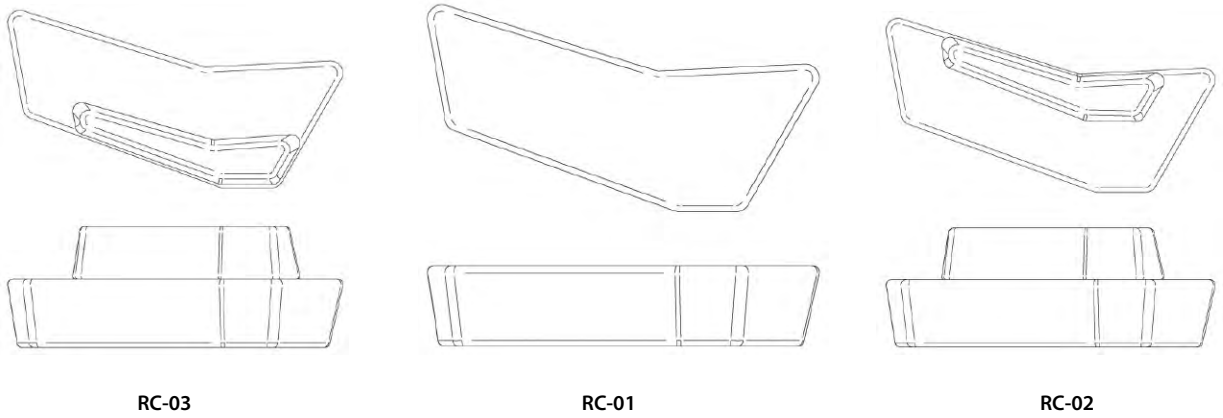
Design: Jason Bird, 2010



Our first major addition from Luxxbox in Australia, Rune is seemingly chaotic and undecipherable at first. The amorphous shapes evoke a language of their own, speaking volumes about flexible arrangements and endless tessellation for customizing spaces.

A series of precise angles and specifically configured edges allow the units to be spatially arranged in clusters which are scalable and adaptable to suit any outdoor seating need. The language consists of a single character with three unique unit types – with your choice of base and back, in lightweight GFRC or LLD Polyethylene.

Part. No.	Description	Material	Size	Weight
RC-01	Rune Backless Bench	GFRC Concrete	75"L x 28.5"W x 16.5"H	270 lbs.
RC-02	Rune Bench, Type 1	GFRC Concrete	75"L x 28.5"W x 30"H	360 lbs.
RC-03	Rune Bench, Type 2	GFRC Concrete	75"L x 28.5"W x 30"H	360 lbs.
R-01	Rune Backless Bench	LLD Polyethylene	75"L x 28.5"W x 16.5"H	115 lbs.
R-02	Rune Bench, Type 1	LLD Polyethylene	75"L x 28.5"W x 30"H	150 lbs.
R-03	Rune Bench, Type 2	LLD Polyethylene	75"L x 28.5"W x 30"H	150 lbs.



Boulevard Wood

Thermally Modified North American Hardwoods from Tournesol Siteworks.



Tournesol Siteworks takes FSC-certified hardwoods harvested domestically (typically red oak or ash), then treats it at high temperatures and with steam in special kilns. This natural process changes the chemical make-up of the wood, creating a dark colored lumber with the rot, pest, and decay prevention characteristic of South American hardwoods. The process is easy on the environment, reducing the harvesting and transport of old, slow-growing trees, and easy on the pocketbook!

All our Northlakes Collection, Sydney Collection, and Brisbane Collection products feature Tournesol's Boulevard™ thermally-treated North American hardwoods.



3-Part Kilning Process



1. Temperature is quickly increased to 100° C, and steam is introduced to reduce checking.
2. The key to thermal modification. The temperature is increased to 190° C, the resin and sap are cooked out, and steam prevents burning. The higher the temperature, the darker the wood.
3. The wood is cooled with water, and the moisture level - which originally started at 10-15% - is reduced to 4-6%.

Sydney Collection

Design: David Shaw, 1999



Originally developed for the Sydney 2000 Olympics, this extensive suite of furniture is a versatile and robust solution. The contemporary nature of the design allow it to be used in a variety of streetscape environments.

The benches and tables feature Tournesol Siteworks’ thermally modified Boulevard lumber. By treating the wood in a high-temperature kilning process, Tournesol creates a domestic hardwood that compares with any from South America. The natural process changes the chemical make-up of the wood, creating gorgeous dark-colored lumber with exceptional rot, pest, and decay resistance-all without harmful chemicals! All frames are made in powder coated cast aluminum for durability.

Part. No.	Description	Material	Size
SY-100	Sydney Bench Seat with arms, free-standing foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 34.25"H x 28"W, bench height. 18.75"
SY-120	Sydney Bench Seat with arms, embedded foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 34.25"H x 28"W, bench height. 18.75", embedded depth 6"
SY-0200	Sydney Bench Seat no arms, free-standing foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 34.25"H x 28"W, bench height. 18.75"
SY-0220	Sydney Bench Seat no arms, embedded foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 34.25"H x 28"W, bench height. 18.75", embedded depth 6"
SY-0130	Sydney Bench Seat with arms, wall mount	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 34.25"H x 32.25"W, bench height. 18.75"
SY-0300	Sydney Backless Bench Seat, surface-mount foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 17.75"H x 15"W
SY-0520	Sydney Platform Double-Size Backless Bench, embedded foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 17.75"H x 72"W, embedded depth 6"
SY-0400	Sydney Platform Backless Bench, surface-mount foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 17.75"H x 36"W
SY-0420	Sydney Platform Backless Bench, embedded foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 17.75"H x 36"W, embedded depth 6"
SY-1000	Sydney Picnic Table, free-standing foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 29.5"H x 36"W





Northlakes Collection

Design: Surya Graf, 2006



Street & Garden Furniture of Brisbane, Australia are known for their ability to deliver quality, durability and style in a range of packages. The Northlakes collection is an example of this ethos applied to site furnishings for a residential community. This suite of furniture is a versatile and robust solution suited to high impact environments. The contemporary nature of the form allows it to be used in a variety of parkland and streetscape projects.

The benches and tables feature Tournesol Siteworks' thermally modified Boulevard lumber. By treating the wood in a high-temperature kilning process, Tournesol creates a domestic hardwood that compares with any from South America. The natural process changes the chemical make-up of the wood, creating gorgeous dark-colored lumber with exceptional rot, pest, and decay resistance-all without harmful chemicals! All frames are made in powder coated cast aluminum for durability.

Part. No.	Description	Material	Size
NL-0110	Northlakes Bench Seat, no arms, surface-mount foot	Tournesol Siteworks Upycled Boulevard Lumber	72"L x 32"H x 22.5"W, bench height 17.75"
NL-0310	Northlakes Backless Bench Seat, surface-mount foot	Tournesol Siteworks Upycled Boulevard Lumber	72"L x 17.75"H x 16.7"W
NL-0410	Northlakes Platform Bench Seat, surface-mount foot	Tournesol Siteworks Upycled Boulevard Lumber	72"L x 17.75"H x 69"W
NL-1010	Northlakes Picnic Table, surface-mount foot	Tournesol Siteworks Upycled Boulevard Lumber	72"L x 28.3"H x 32"W

ABOVE

Patagonia Headquarters, Ventura, CA.

Design: Arcadia Studio

Brisbane Collection

Design: David Shaw, 1992.



The Brisbane Collection by Street & Garden Furniture reflects an inner-city sensibility. In use in Australia for over 20 years, the traditional design has proven it will hold up to high levels of traffic and abuse. The collection is available in a range of products, including bollards, ash, trash, and recycling systems.

The benches and tables feature Tournesol Siteworks’ thermally modified Boulevard lumber. By treating the wood in a high-temperature kilning process, Tournesol creates a domestic hardwood that compares with any from South America. The natural process changes the chemical make-up of the wood, creating gorgeous dark-colored lumber with exception rot, pest, and decay resistance-all without harmful chemicals! All frames are made in powder coated cast aluminum for durability.

Part. No.	Description	Material	Size
BB-0120	Brisbane Collection Bench with arms, surface-mount foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 32"H x 26"W, bench height 17.75"
BB-0310	Brisbane Collection Backless Bench, surface-mount foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 17"H x 17"W
BB-1010	Brisbane Collection Table, surface-mount foot	Tournesol Siteworks Upcycled Boulevard Lumber	72"L x 29.5"H x 35.5"W



ABOVE ALL
Brisbane, Australia.



Pinch Point Bench

Design: Surya Graf 2007.



Street and Garden Furniture developed the remarkable Pinch Point concept as a sculptural seating element for a waterfront promenade and boardwalk. It was designed as a focal point, yet needed to harmoniously fit into the foreshore landscape. The design takes its inspiration from the coast line, the curves from the ocean. The actual built bench size was originally 18'L x 30"W x 18"H, but by relying on CAD technology the design can be modified and built to nearly any size required.

The benches feature Tournesol Siteworks' thermally modified Boulevard lumber. By treating the wood in a high-temperature kilning process, Tournesol creates a domestic hardwood that compares with any from South America. The natural process changes the chemical make-up of the wood, creating gorgeous dark-colored lumber with exceptional rot, pest, and decay resistance-all without harmful chemicals! All frames are made in powder coated cast aluminum for durability.



ABOVE ALL

Alexandra Headlands, Queensland, Australia.



Buzz Bike Bench

Design: Jason Bird, 2013.



As our urban environment continues to develop, so too does activity around bicycle transport. The humble bicycle rack required a significant re-think. The Buzz Bike Bench has been developed by Luxxbox of Australia to be a hub for bicycles within public seating. As a lifestyle element designed for temporary and short-term bike storage, it can be tessellated in an array of angles and shapes allowing large numbers of bikes to be parked. It also functions as a meeting place for the urban warrior to sit, relax, rest their bike as they grab a coffee, or spend some time in the community – the Buzz of city life!

Part. No.	Description	Material	Weight
BZ-01	Buzz Bike Bench, with bottom element, six bike slots.	Powder-coated 1/4" steel with HDPE bumpers.	200 lbs.
BZ-02	Buzz Bike Bench, one piece, six bike slots.	Powder-coated 1/4" steel with HDPE bumpers.	140 lbs.
BZ-03	Buzz Bike Bench, with bottom element, three bike slots on one side.	Powder-coated 1/4" steel with HDPE bumpers.	200 lbs.
BZ-04	Buzz Bike Bench, one piece, three bike slots on one side.	Powder-coated 1/4" steel with HDPE bumpers.	140 lbs.

ABOVE
Shared Streets event, Evanston, IL.

RIGHT
Museum of Craft & Design, San Francisco, CA.
Our Buzz Bike Bench was included in the "New West Coast Design 2" curated exhibition at the Museum of Craft and Design in San Francisco at the end of 2013. The variety of different products - ranging from the ice cream scoops to 3D printed domes - speaks volumes about the innovative designs here in California!





Metal Bike Bollards

Lollipop - Design: Alexander Lotersztain, 2005 / Paperclip - Design: Surya Graf, 2005 / Flight Deck - Design: Surya Graf, 2011.

For longer-term bike storage installations, Street & Garden has several designs that coordinate with other suites of furniture. Each one maintains the contemporary aesthetic that they are known for.

Part. No.	Description	Material	Size
LP-01	Lollipop Bike Bollard	2" Powder-coated Tube Steel	31.5"H x 17.75"W x 2"
PC-01	Paperclip Bike Bollard	2" Powder-coated Tube Steel	35.5"H x 12"W x 2"
FD-05	Flight Deck Bike Bollard	Powder-coated Steel	39"H x 7"W x 7"D



TOP RIGHT
Lollipop.
Powder-coated tube steel.

TOP LEFT
Paper Clip.
Powder-coated tube steel.

LEFT
Flight Deck.
Powder-coated steel.



Flight Deck

Design: Surya Graf, 2010.



The Flight Deck bench is designed as a versatile, durable focal point for modern streetscapes. The alternating back and backless portions of the bench, with highly contrasting colors, tease the eye and disguise the overall size.

Part. No.	Description	Size
FD-100	Flight Deck Bench, with back rests	144"L x 19"W x 28"H
FD-0300	Flight Deck Bench, no back rests	144"L x 19"W x 19"H





Flow Bench Planter

Design: David Shaw, 2012.



The Flow is a bench with elegant modern lines, naturally softened with surrounding plantings. The seat is designed as an intimate space in a public world, integrated into a wrap-around planter.

Typically used in public and retail installations, the Flow is available in powder coated recycled steel or lightweight GFRC concrete. The look changes, but the feel is unique to the design. The length of the planters and bench element may be changed at the designer's request. Plants are contained within 16"D FRP fiberglass liners, with or without Tournesol's self-watering Container Irrigation

As the lead designer of Street and Garden Furniture, David Shaw has been creating public spaces since 1989. This is his first integration of plantings into a bench concept.

ABOVE
Genitope, Newark, CA.



Receptacles and Recyclers

Because trash has to go somewhere!

Tournesol Siteworks trash receptacles, recyclers and ash trays are designed to stand on their own, or to be used in conjunction with a matching planter collection. Most designs are available in either FRP fiberglass or lightweight GFRC concrete for durability. We also offer a range of lid materials and configurations to suit your need (and price point).

Our partners at Street and Garden Furniture call them bins, and bring a welcome change in aesthetic to a product as simple as a trash receptacle. Their “wheelie bin” enclosure traditionally holds a plastic garbage can on wheels or casters, making emptying them fast, safe and clean. We’re offering them either with a garbage can on casters, or you can simply use your own.

ABOVE

Flight Deck bins and recyclers.

Front Row: FD-G44, FD-G32, FD-G20.

Back Row: FD-R44, FD-R32, FD-R20.

Tournesol Siteworks Receptacles

Our trash receptacles can be ordered in either FRP fiberglass or lightweight GFRC concrete. Lids are available in FRP or Anodized Aluminum, both as trash only or ash/trash lids. Each receptacle is fitted with a removable polyethylene liner.

Model	Name	Size	Shape	Material	Liner
QS	Aquarian Collection	30" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
QCS	Aquarian Collection	30" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
VS	Village Collection	24" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
VCS	Village Collection	24" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
MS	Metro Collection	24" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
MCS	Metro Collection	24" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
DS	Downtown Collection	24" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
DCS	Downtown Collection	24" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
PS	Plaza Collection	24" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
PCS	Plaza Collection	24" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
WS	Wilshire Collection	24" Dia. x 30"H	Round	FRP	LLDPE 20 Gal. round
WCS	Wilshire Collection	24" Dia. x 30"H	Round	GFRC	LLDPE 20 Gal. round
UR	Urban Collection	22" Dia. x 34.5"H	Square	FRP	LLDPE 23 Gal. square
UCR	Urban Collection	22" Dia. x 34.5"H	Square	GFRC	LLDPE 23 Gal. square
WR	Wilshire Collection	22" Dia. x 34.5"H	Square	FRP	LLDPE 23 Gal. square
WCR	Wilshire Collection	22" Dia. x 34.5"H	Square	GFRC	LLDPE 23 Gal. square

Receptacle Lids - Each receptacle can be fitted with any of these aluminum or FRP fiberglass lids. Use the code below when specifying.

Code	Description
-TRS	Round aluminum anodized trash lid, black, 9" opening (<i>all</i>)
-ATR	Round aluminum anodized ash-trash lid, black, 9" trash opening with 2.5" concentric ash ring
-TFR	Round FRP trash lid, color to match container, 9" opening (<i>all round</i>)
-TFF	Square FRP trash lid, color to match container, 9" opening (<i>all square</i>)
-AFR	Round FRP ash-trash lid, color to match container, 9" trash opening with 2.5" inset plated-steel concentric ash ring
-AFF	Square FRP ash-trash lid, color to match container, 9" trash opening with 2 each 3" x 10" inset plated-steel ash trays

Street and Garden Bins

Model	Name	Size	Material	Liner
FD-G20	Flight Deck garbage bin enclosure, 20 gallon	20" sq. x 40"H, swing-out door	powder-coated steel	for 20 gallon can with caster
FD-G32	Flight Deck garbage bin enclosure, 32 gallon	24" sq. x 42"H, swing-out door	powder-coated steel	for 32 gallon can with caster
FD-G44	Flight Deck garbage bin enclosure, 44 gallon	28" sq. x 44"H, swing-out door	powder-coated steel	for 44 gallon can with caster
MA-G20	Marina garbage bin enclosure	20" sq. x 44"H, swing-out door	powder-coated steel, or brushed stainless steel	includes LDPE 20 gallon square liner



Recycling Systems

Our Wilshire Collection and Urban Collection recycling systems are available as 1-, 2-, or 3- stream systems. Each stream is collected in an independent 23 gallon liner.

Model	Name	Size	Shape	Material	Streams	Liner
WR-REC-01	Wilshire Collection	22" Sq. x 34.5"H	Square	FRP	1	1 x 23 Gal. LLDPE
WR-REC-02	Wilshire Collection	38"L x 22"W x 34.5"H	Rectangle	FRP	2	2 x 23 Gal. LLDPE
WR-REC-03	Wilshire Collection	54"L x 22"W x 34.5"H	Rectangle	FRP	3	3 x 23 Gal. LLDPE
UR-REC-01	Urban Collection	22" Sq. x 34.5"H	Square	FRP	1	1 x 23 Gal. LLDPE
UR-REC-02	Urban Collection	38"L x 22"W x 34.5"H	Rectangle	FRP	2	2 x 23 Gal. LLDPE
UR-REC-03	Urban Collection	54"L x 22"W x 34.5"H	Rectangle	FRP	3	3 x 23 Gal. LLDPE

Recycling Lids - Each recycling stream opening in a lid is designated by a letter: 1-stream recyclers have one letter, 2- have two letters, etc.

Letter	Description
T	Labeled "Trash", 9" diameter opening
P	Labeled "Paper", 8" x 1.5" angled opening
C	Labeled "Drink Cans", 3.25" diameter opening
B	Labeled "Plastic & Glass", 9" diameter opening

Street and Garden Recyclers

Along with our traditional recyclers, we can offer matching recyclers for the Street & Garden bin series. Each product is color-coded to differentiate it as a recycler from the matching garbage bin.

Model	Name	Size	Material	Liner
FD-R20	Flight Deck recycling bin enclosure, 20 gallon	20" sq. x 40"H, swing-out door	powder-coated steel	for 20 gallon can with caster
FD-R32	Flight Deck recycling bin enclosure, 32 gallon	24" sq. x 42"H, swing-out door	powder-coated steel	for 32 gallon can with caster
FD-R44	Flight Deck recycling bin enclosure, 44 gallon	28" sq. x 44"H, swing-out door	powder-coated steel	for 44 gallon can with caster
MA-R20	Marina recycling bin enclosure	20" sq. x 44"H, swing-out door	powder-coated steel, or brushed stainless steel	includes LDPE 20 gallon square liner

Ash Trays

Of late the unhappy stepchildren of the site furnishing family, they are still required in many public spaces.

Model	Name	Size	Shape	Material	Lid
VS-ASH	Village Collection	18" Dia. x 24"H	Round	FRP	15" anodized aluminum, black
VCS-ASH	Village Collection	19" Dia. x 24"H	Round	GFRC	15" anodized aluminum, black
DS-ASH	Downtown Collection	18" Dia. x 24"H	Round	FRP	15" anodized aluminum, black
DCS-ASH	Downtown Collection	18" Dia. x 24"H	Round	GFRC	15" anodized aluminum, black
PS-ASH	Plaza Collection	18" Dia. x 24"H	Round	FRP	15" anodized aluminum, black
PCS-ASH	Plaza Collection	18" Dia. x 24"H	Round	GFRC	15" anodized aluminum, black
WS-ASH	Wilshire Collection	18" Dia. x 24"H	Round	FRP	15" anodized aluminum, black
WCS-ASH	Wilshire Collection	18" Dia. x 24"H	Round	GFRC	15" anodized aluminum, black
UR-ASH	Urban Collection	18" Dia. x 25.5"H	Square	FRP	16" FRP, painted to match, with 3" square black galvanized steel insert
UCR-ASH	Urban Collection	18" Dia. x 25.5"H	Square	GFRC	16" FRP, painted to match, with 3" square black galvanized steel insert
WR-ASH	Wilshire Collection	18" Dia. x 25.5"H	Square	FRP	16" FRP, painted to match, with 3" square black galvanized steel insert
WCR-ASH	Wilshire Collection	18" Dia. x 25.5"H	Square	GFRC	16" FRP, painted to match, with 3" square black galvanized steel insert



ABOVE

Nordstrom, Santa Monica, CA.

Wilshire Collection WS-ATR, FRP Ash/Trash and WS-ASH ash trays, both in MMP iron finish.

OPPOSITE LEFT

Marina Recycling bin enclosure MA-R20.

OPPOSITE RIGHT

Wilshire Recycler WR-REC-02 (with T and B openings).





Pots & Planters

Thanks to our customers, we've grown to be one of the largest manufacturers of commercial-grade pots & planters in the U.S. We think it is a reflection of the quality and value we provide to specifiers, contractors, and owners. On the other hand, it might be our flexibility, willingness to take on challenges that others won't, or our ability to work a project from the early design stages all the way to post-installation support. Whatever it is, we're committed to staying in front of the rest of the crowd.

Unlike most other manufacturers, we recognize that one material isn't always right for every project. We've developed fabrication skills in FRP fiberglass, lightweight GFRC Concrete, and a variety of plastics. No matter your application and requirements, Tournesol Siteworks probably has faced it before. From our metal-infused finishes to acid-etch concrete, we manufacture a variety of aesthetic looks for projects classic to contemporary.

You'll find what you're looking for in this catalog. Most of our pot collections feature a full range of shapes – rounds, squares and rectangles. We offer sizes, especially for lightweight materials, that will astound. We have several new shapes from our Australian design partners at Street & Garden Furniture and Luxxbox. If you can't find what you're looking for, just ask – we're happy to modify existing collections or create entirely new elements based upon your designs.

Consider us your partner in arranging space with plants, your bridge between landscape and architecture.

The Shores, Marina del Rey, CA.
Design: LRM Landscape Architecture

OPPOSITE LEFT
Creekside Retail, Roseville, CA.
Design: English Garden Care

OPPOSITE RIGHT
Genesee Plaza, San Diego, CA.
Design: 2d3d Studios



Wilshire Collection: Rectangles

The most effective way to shape space.

Creating, dividing, and organizing space has never been greener! A Wilshire rectangle, in any of the wide variety of sizes or materials, draws a green line across any project. The clean, simple appearance won't distract from the purpose at hand, yet enhances the beauty of the foliage. The versatility of the collection makes it one of our most popular choices.

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WR-241012	FRP	24" x 10"	24" x 10"	12"	22" x 8"	23.5" x 9.5"	11.5"	15	1.6	CWM-R1109-MS
WR-361012	FRP	36" x 10"	36" x 10"	12"	34" x 8"	35.5" x 9.5"	11.5"	20	2.5	CWM-R1109-2k
WR-481012	FRP	48" x 10"	48" x 10"	12"	46" x 8"	47.5" x 9.5"	11.5"	25	3.3	CWM-R1109-3k
WR-601012	FRP	60" x 10"	60" x 10"	12"	58" x 8"	59.5" x 9.5"	11.5"	30	4.2	CWM-R1109-3k
WR-721012	FRP	72" x 10"	72" x 10"	12"	70" x 8"	71.5" x 9.5"	11.5"	35	5	CWM-R1109-4k
WR-961012	FRP	96" x 10"	96" x 10"	12"	94" x 8"	95.5" x 9.5"	11.5"	45	6.7	CWM-R1109-5k
WR-1201012	FRP	120" x 10"	120" x 10"	12"	118" x 8"	119.5" x 9.5"	11.5"	50	8.3	CWM-R1109-3k + CWM-R1109-4k
WR-241218	FRP	24" x 12"	24" x 12"	18"	22" x 10"	23.5" x 11.5"	17.5"	20	3	CWM-R1114-MS
WR-361218	FRP	36" x 12"	36" x 12"	18"	34" x 10"	5.5" x 11.5"	17.5"	30	4.5	CWM-R1114-2k
WR-481218	FRP	48" x 12"	48" x 12"	18"	46" x 10"	47.5" x 11.5"	17.5"	35	6	CWM-R1114-2k
WR-601218	FRP	60" x 12"	60" x 12"	18"	58" x 10"	59.5" x 11.5"	17.5"	40	7.5	CWM-R1114-3k
WR-721218	FRP	72" x 12"	72" x 12"	18"	70" x 10"	71.5" x 11.5"	17.5"	50	9	CWM-R1114-4k
WR-961218	FRP	96" x 12"	96" x 12"	18"	94" x 10"	95.5" x 11.5"	17.5"	60	12	CWM-R1114-5k
WR-1201218	FRP	120" x 12"	120" x 12"	18"	118" x 10"	119.5" x 11.5"	17.5"	80	15	CWM-R1114-3k + CWM-R1114-4k
WCR-241218	GFRC	24" x 12"	24" x 12"	18"	22" x 10"	22" x 10"	17"	125	2.6	CWM-R1114-MS
WCR-361218	GFRC	36" x 12"	36" x 12"	18"	34" x 10"	34" x 10"	17"	175	4	CWM-R1114-2k
WCR-481218	GFRC	48" x 12"	48" x 12"	18"	46" x 10"	46" x 10"	17"	225	5	CWM-R1114-3k
WCR-601218	GFRC	60" x 12"	60" x 12"	18"	58" x 10"	58" x 10"	17"	275	6.5	CWM-R1114-3k
WCR-721218	GFRC	72" x 12"	72" x 12"	18"	70" x 10"	70" x 10"	17"	310	8	CWM-R1114-4k
WCR-961218	GFRC	96" x 12"	96" x 12"	18"	94" x 10"	94" x 10"	17"	400	10.5	CWM-R1114-5k
WCR-1201218	GFRC	120" x 12"	120" x 12"	18"	118" x 10"	118" x 10"	17"	500	13	CWM-R1114-3k + CWM-R1114-4k

ABOVE Pasadena Towers, Pasadena, CA. Design: Melendrez Design Partners.

OPPOSITE McLeod Hall Terrace, University of Virginia, Charlottesville, VA. Design: University of Virginia.

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WCR-241818	GFRC	24" x 18"	24" x 18"	18"	21" x 15"	22" x 16"	17"	85	3.5	CWM-R2014-MS
WCR-481818	GFRC	48" x 18"	48" x 18"	18"	45" x 15"	46" x 16"	17"	145	7	CWM-R1614-2k
WCR-721818	GFRC	72" x 18"	72" x 18"	18"	69" x 15"	70" x 16"	17"	205	11	CWM-R1614-3k
WCR-961818	GFRC	96" x 18"	96" x 18"	18"	93" x 15"	94" x 16"	17"	260	15	CWM-R1614-3k
WR-241824	FRP	24" x 18"	24" x 18"	24"	22" x 15"	23.5" x 17.5"	23.5"	30	6	CWM-R2020-MS
WR-361824	FRP	36" x 18"	36" x 18"	24"	36" x 15"	35.5" x 17.5"	23.5"	40	9	CWM-R2020-MS
WR-481824	FRP	48" x 18"	48" x 18"	24"	48" x 15"	47.5" x 17.5"	23.5"	50	12	CWM-R1620-2k
WR-601824	FRP	60" x 18"	60" x 18"	24"	60" x 15"	59.5" x 17.5"	23.5"	60	15	CWM-R2020-2k
WR-721824	FRP	72" x 18"	72" x 18"	24"	72" x 15"	71.5" x 17.5"	23.5"	70	18	CWM-R1620-3k
WR-961824	FRP	96" x 18"	96" x 18"	24"	96" x 15"	95.5" x 17.5"	23.5"	90	24	CWM-R1620-4k
WR-1201824	FRP	120" x 18"	120" x 18"	24"	118" x 15"	119.5" x 17.5"	23.5"	30	30	CWM-R1620-5k
WCR-241824	GFRC	24" x 18"	24" x 18"	24"	22" x 15"	22" x 16"	23"	200	5	CWM-R2020-MS
WCR-361824	GFRC	36" x 18"	36" x 18"	24"	34" x 15"	34" x 16"	23"	250	8	CWM-R2020-MS
WCR-481824	GFRC	48" x 18"	48" x 18"	24"	46" x 15"	46" x 16"	23"	315	11	CWM-R1620-2k
WCR-601824	GFRC	60" x 18"	60" x 18"	24"	58" x 15"	58" x 16"	23"	375	13.5	CWM-R2020-2k
WCR-721824	GFRC	72" x 18"	72" x 18"	24"	70" x 15"	70" x 16"	23"	425	16.5	CWM-R1620-3k
WCR-961824	GFRC	96" x 18"	96" x 18"	24"	94" x 15"	94" x 16"	23"	550	22	CWM-R1620-4k
WCR-1201824	GFRC	120" x 18"	120" x 18"	24"	118" x 16"	118" x 16"	23"	700	27.5	CWM-R1620-5k
WR-232324	FRP	23.5" x 23.5"	23.5" x 23.5"	24"	20.5" x 20.5"	23" x 23"	23.5"	40	8	CWC-1850/ CWM-R1114-2k
WR-352324	FRP	35.5" x 23.5"	35.5" x 23.5"	24"	32.5" x 20.5"	35" x 23"	23.5"	50	12	CWM-R2020-MS
WR-472324	FRP	47.5" x 23.5"	59.5" x 23.5"	24"	44.5" x 20.5"	47" x 23"	23.5"	60	16	CWM-R1620-2k
WR-592324	FRP	59.5" x 23.5"	59.5" x 23.5"	24"	56.5" x 20.5"	59" x 23"	23.5"	70	20	CWM-R2020-2k
WR-712324	FRP	71.5" x 23.5"	71.5" x 23.5"	24"	68.5" x 20.5"	72" x 21"	23.5"	80	24	CWM-R1620-3k
WR-952324	FRP	95.5" x 23.5"	95.5" x 23.5"	24"	92.5" x 20.5"	95" x 21"	23.5"	100	32	CWM-R1620-4k
WR-1192324	FRP	119.5" x 23.5"	119.5" x 23.5"	24"	116" x 20.5"	119" x 21"	23.5"	120	40	CWM-R1620-5k
WCR-232324	GFRC	23.5" x 23.5"	23.5" x 23.5"	24"	20.5" x 20.5"	23" x 23"	23"	225	7	CWC-1850/ CWM-R1114-2k
WCR-352324	GFRC	35.5" x 23.5"	35.5" x 23.5"	24"	32.5" x 20.5"	35" x 23"	23"	300	11	CWM-R2020-MS
WCR-472324	GFRC	47.5" x 23.5"	59.5" x 23.5"	24"	44.5" x 20.5"	47" x 23"	23"	350	15	CWM-R1620-2k
WCR-592324	GFRC	59.5" x 23.5"	59.5" x 23.5"	24"	56.5" x 20.5"	59" x 23"	23"	425	19	CWM-R2020-2k
WCR-712324	GFRC	71.5" x 23.5"	71.5" x 23.5"	24"	68.5" x 20.5"	72" x 21"	23"	500	23	CWM-R1620-3k
WCR-952324	GFRC	95.5" x 23.5"	95.5" x 23.5"	24"	92.5" x 20.5"	95" x 21"	23"	625	31	CWM-R1620-4k
WCR-1192324	GFRC	119.5" x 23.5"	119.5" x 23.5"	24"	116" x 20.5"	119" x 21"	23"	700	39	CWM-R1620-5k



Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WR-362424	FRP	36" x 24"	36" x 24"	24"	34" x 21"	35.5" x 23.5"	23.5"	50	12	CWM-R2020-MS
WR-482424	FRP	48" x 24"	48" x 24"	24"	46" x 21"	47.5" x 23.5"	23.5"	60	16	CWM-R1620-2k
WR-602424	FRP	60" x 24"	60" x 24"	24"	58" x 21"	59.5" x 23.5"	23.5"	70	20	CWM-R2020-2k
WR-722424	FRP	72" x 24"	72" x 24"	24"	70" x 21"	71.5" x 23.5"	23.5"	80	24	CWM-R1620-3k
WR-962424	FRP	96" x 24"	96" x 24"	24"	94" x 21"	95.5" x 23.5"	23.5"	100	32	CWM-R1620-4k
WR-1202424	FRP	120" x 24"	120" x 24"	24"	118" x 21"	119.5" x 23.5"	23.5"	120	40	CWM-R1620-5k
WCR-362424	GFRC	36" x 24"	36" x 24"	24"	34" x 21"	34" x 22"	23"	300	11	CWM-R2020-MS
WCR-482424	GFRC	48" x 24"	48" x 24"	24"	46" x 21"	46" x 22"	23"	350	15	CWM-R1620-2k
WCR-602424	GFRC	60" x 24"	60" x 24"	24"	58" x 21"	58" x 22"	23"	425	18.5	CWM-R2020-2k
WCR-722424	GFRC	72" x 24"	72" x 24"	24"	70" x 21"	70" x 22"	23"	500	22	CWM-R1620-3k
WCR-962424	GFRC	96" x 24"	96" x 24"	24"	94" x 21"	94" x 22"	23"	625	30	CWM-R1620-4k
WCR-1202424	GFRC	120" x 24"	120" x 24"	24"	118" x 21"	118" x 22"	23"	750	37	CWM-R1620-5k
WR-241836	FRP	24" x 18"	24" x 18"	36"	22" x 15"	23.5" x 17.5"	24"	40	6	CWM-R2020-MS
WR-361836	FRP	36" x 18"	36" x 18"	36"	34" x 15"	35.5" x 17.5"	24"	60	9	CWM-R2020-MS
WR-481836	FRP	48" x 18"	48" x 18"	36"	46" x 15"	47.5" x 17.5"	24"	70	12	CWM-R1620-2k
WR-601836	FRP	60" x 18"	60" x 18"	36"	58" x 15"	59.5" x 17.5"	24"	80	15	CWM-R2020-2k
WR-721836	FRP	72" x 18"	72" x 18"	36"	70" x 15"	71.5" x 17.5"	24"	100	18	CWM-R1620-3k
WR-961836	FRP	96" x 18"	96" x 18"	36"	94" x 15"	95.5" x 17.5"	24"	120	24	CWM-R1620-4k
WR-1201836	FRP	120" x 18"	120" x 18"	36"	118" x 15"	119.5" x 17.5"	24"	150	30	CWM-R1620-5k
WCR-241836	GFRC	24" x 18"	24" x 18"	36"	22" x 15"	22" x 16"	35"	275	8	CWM-R2020-MS
WCR-361836	GFRC	36" x 18"	36" x 18"	36"	34" x 15"	34" x 16"	35"	350	12	CWM-R2020-MS
WCR-481836	GFRC	48" x 18"	48" x 18"	36"	46" x 15"	46" x 16"	35"	425	16	CWM-R1620-2k
WCR-601836	GFRC	60" x 18"	60" x 18"	36"	58" x 15"	58" x 16"	35"	525	21	CWM-R2020-2k
WCR-721836	GFRC	72" x 18"	72" x 18"	36"	70" x 15"	70" x 16"	35"	600	25	CWM-R1620-3k
WCR-961836	GFRC	96" x 18"	96" x 18"	36"	94" x 15"	94" x 16"	35"	775	33.5	CWM-R1620-4k
WCR-1201836	GFRC	120" x 18"	120" x 18"	36"	118" x 15"	118" x 16"	35"	925	42	CWM-R1620-5k





Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WR-363030	FRP	36" x 30"	36" x 30"	30"	34" x 27"	35.5" x 17.5"	29.5"	45	17.5	CWM-2920-MS
WR-483030	FRP	48" x 30"	48" x 30"	30"	46" x 27"	47.5" x 29.5"	29.5"	55	23	CWM-R1620-2k
WR-603030	FRP	60" x 30"	60" x 30"	30"	58" x 27"	59.5" x 29.5"	29.5"	65	29	CWM-R2020-2k
WR-723030	FRP	72" x 30"	72" x 30"	30"	70" x 27"	71.5" x 29.5"	29.5"	80	35	CWM-R1620-3k
WR-963030	FRP	96" x 30"	96" x 30"	30"	94" x 27"	95.5" x 29.5"	29.5"	100	47	CWM-R2020-3k
WR-1203030	FRP	120" x 30"	120" x 30"	30"	118" x 27"	119.5" x 29.5"	29.5"	130	59	CWM-R2020-4k
WCR-363030	GFRC	36" x 30"	36" x 30"	30"	34" x 27"	34" x 28"	29"	388	17.5	CWM-R2920-MS
WCR-483030	GFRC	48" x 30"	48" x 30"	30"	46" x 27"	46" x 28"	29"	470	23	CWM-R1620-2k
WCR-603030	GFRC	60" x 30"	60" x 30"	30"	58" x 27"	58" x 28"	29"	550	29	CWM-R2020-2k
WCR-723030	GFRC	72" x 30"	72" x 30"	30"	70" x 27"	70" x 28"	29"	630	35	CWM-R1620-3k
WCR-963030	GFRC	96" x 30"	96" x 30"	30"	94" x 27"	94" x 28"	29"	800	47	CWM-R2020-3k
WCR-1203030	GFRC	120" x 30"	120" x 30"	30"	118" x 27"	118" x 28"	29"	1000	59	CWM-R2020-4k

ABOVE
University Village, Seattle, WA.

OPPOSITE
Grand Hyatt, San Francisco, CA.
Varying Wilshire Rectangles (18" x 24", 30" x 30") in MI Bronze.
Design: Carducci & Associates



Wilshire Collection: Square, Round & Tall

Sometimes the simplest designs make the strongest impressions.

The Wilshire Collection is nothing fancy - straight walls and a slight reveal. Put several of them together and it creates a highly effective way to configure space using live plants. The elegant straight lines disappear, emphasizing the plant, as it should be. Available in a wide range of sizes.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WS-2400	FRP	24" x 21.5" x 24"	21" x 21" x 23.5"	20	6.3	CWC-1600/CWM-1114-2k
WS-3000	FRP	30" x 26.5" x 27"	27" x 26" x 26.5"	30	11	CWC-2400/CWM-1720-2k
WS-3600	FRP	36" x 32.5" x 30"	31.5" x 32" x 29.5"	40	17	CWC-2800/CWM-1720-3k
WS-4200	FRP	42" x 38.5" x 33"	37.5" x 38" x 32.5"	50	26	CWC-3300/CWM-1720-3k
WS-4800	FRP	48" x 44" x 36"	43.5" x 44" x 35.5"	65	35	CWM-2920-3k
WS-6000	FRP	60" x 56" x 36"	55.5" x 56" x 35"	90	53	CWM-2920-4k
WCS-2400	GFRC	24" x 21.5" x 24"	21" x 19.5" x 23"	200	5.7	CWC-1600/CWM-1114-2k
WCS-3000	GFRC	30" x 26.5" x 27"	26" x 24.5" x 26"	275	10	CWC-2400/CWM-1720-2k
WCS-3600	GFRC	36" x 32.5" x 30"	31.5" x 30.5" x 28.5"	370	16.5	CWC-2800/CWM-1720-3k
WCS-4200	GFRC	42" x 38.5" x 33"	37.5" x 36.5" x 32"	475	25	CWC-3300/CWM-1720-3k
WCS-4800	GFRC	48" x 44" x 36"	44" x 42" x 35"	590	33	CWM-2920-3k
WCS-6000	GFRC	60" x 54" x 36"	56" x 52" x 35"	780	51	CWM-2920-4k

Squares

WR-2000	FRP	19.75" x 19.75"	19.75" x 19.75"	30	3.7	CWC-R1500
WR-2400	FRP	24" x 21.5" x 24"	21" x 21" x 23.5"	40	8	CWC-1850/CWM-R1114-2k
WR-3000	FRP	30" x 26.5" x 27"	27" x 26" x 26.5"	50	14	CWM-R1620-2k
WR-3600	FRP	36" x 32.5" x 30"	31.5" x 32" x 29.5"	70	22	CWM-R2020-2k
WR-4800	FRP	48" x 40.5" x 36"	44" x 40" x 35.5"	110	48	CWM-R2920-2k
WR-6000	FRP	60" x 56" x 42"	55" x 56" x 41.5"	135	80	CWM-R2920-4k
WR-7200	FRP	72" x 68" x 44"	67" x 68" x 44"	165	120	CWM-R2920-4kE
WCR-2000	GFRC	19.75" x 19.75"	19.75" x 19.75"	175	3.4	CWC-R1500
WCR-2400	GFRC	24" x 21.5" x 24"	21" x 19.5" x 23"	225	7.2	CWC-R1850/CWM-R1114-2k
WCR-3000	GFRC	30" x 26.5" x 26"	27" x 24.5" x 26"	325	13	CWM-R1620-2k
WCR-3600	GFRC	36" x 32.5" x 30"	31.5" x 30.5" x 29"	430	21	CWM-R2020-2k
WCR-4800	GFRC	48" x 40.5" x 36"	44" x 38.5" x 35"	700	45	CWM-R2920-2k
WCR-6000	GFRC	60" x 54" x 48"	55" x 54" x 41"	1050	51	CWM-R2920-4k

Tall

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WRT-1800	FRP	18" x 18" x 30"	15.25" x 15.25" x 29.5"	45	5.6	CWC-R1100
WRT-2000	FRP	19.75" x 19.75" x 34"	17.25" x 17.25" x 33.5"	55	7.9	CWC-R1500
WRT-2400	FRP	24" x 24" x 48"	21" x 21" x 47.5"	65	16	CWC-R1850/CWM-R1120-2k
WRT-3000	FRP	30" x 30" x 54"	27" x 27" x 53.5"	85	28	CWM-R1620-2k
WCRT-1800	GFRC	18" x 18" x 30"	15.25" x 15.25" x 29"	250	52	CWC-R1100
WCRT-2000	GFRC	19.75" x 19.75" x 34"	17.25" x 17.25" x 33"	325	7.9	CWC-R1500/CWM-R1120-2k
WCRT-2400	GFRC	24" x 24" x 48"	21" x 21" x 47"	400	16	CWC-R1850/CWM-R1120-2k
WCRT-3000	GFRC	30" x 30" x 54"	27" x 27" x 53"	600	28	CWM-R1620-2k



Site Furnishings

Part No.	Material	Shape	Exterior Dimensions	Description
WR-ASH	FRP	Square	18"sq x 24"H	Ash Can with Lid (see page 88)
WCR-ASH	GFRC	Square	18"sq x 24"H	Ash Can with Lid (see page 88)
WR-TRS	FRP	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner and Lid (see page 88)
WCR-TRS	GFRC	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner and Lid (see page 88)
WR-ATR	FRP	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner and Ash Lid (see page 88)
WCR-ATR	GFRC	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner and Ash Lid (see page 88)
WS-ASH	FRP	Round	18"dia x 24"H	Ash Can with Lid (see page 88)
WCS-ASH	GFRC	Round	18"dia x 24"H	Ash Can with Lid (see page 88)
WS-TRS	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid (see page 88)
WCS-TRS	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid (see page 88)
WS-ATR	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Ash Lid (see page 88)
WCS-ATR	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Ash Lid (see page 88)



Wilshire Box: Linear Hanging Planters

Wilshire Boxes are the ultimate wall-mounted large planter solution

From the lightweight fiberglass box, the pre-engineered brackets, to the easy-to-use mounting template, we've thought through the system so you won't have to. Wilshire Boxes are commonly used to contain plants on green façade projects (in combination with our VertiGreen 3D trellis or any other plant support), on parking structures, and on spandrel and parapet walls. Hanging planters on the perimeter of a roof garden is especially effective. Rather than building up the structural capacity of the flat roof, the weight of the installation is channeled directly down the load-bearing wall.

Wilshire Boxes are available in 3 different size ranges, in lengths from 2' to 10' long. The simple styling works with most commercial building types, and highlights the plants instead of the planter. They are available in all Tournesol Siteworks' standard and metal-infused finishes, in all three FRP textures.

The hanging bracket is simple to hang, and reliable over the long haul. Wilshire Box brackets are powder coated steel with stainless mounting studs. When installed, the brackets tuck into bracket pockets on the back of the box, so the boxes snug up against the wall. Bottom supports are usually visible under the box. Both the box and the mounting system may be customized, as required.

ABOVE

Pearl Brewery Parking Garage, San Antonio, TX.
Design: RVK Architects

RIGHT

Highland Village Parking Structure, Houston, TX.
Design: Ashland Village Management

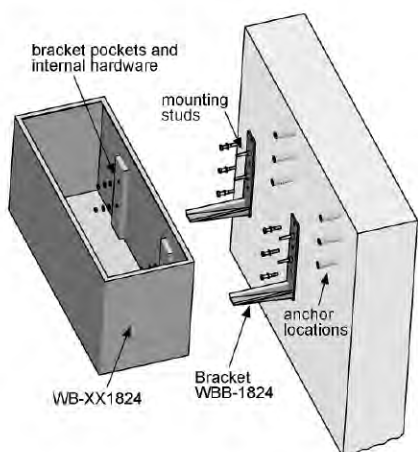


The system is made up of reinforced FRP planters, complete with the corresponding number of powder-coated steel brackets. Each bracket for the -1012 and -1218 sizes has two mounting holes, the brackets for the -1824 have three.

Part No.	Size	Number of Brackets	Empty Weight	Soil Volume	Number of Bulkheads	Container Irrigation
WB-1012-24	24"L x 10"W x 12"H	2	35 lbs.	1.6 cu. ft.	0	CWM-R1109-MS
WB-1012-36	36"L x 10"W x 12"H	2	40 lbs.	2.5 cu. ft.	0	CWM-R1109-2k
WB-1012-48	48"L x 10"W x 12"H	2	45 lbs.	3.3 cu. ft.	0	CWM-R1109-3k
WB-1012-60	60"L x 10"W x 12"H	3	50 lbs.	4.2 cu. ft.	2	CWM-R1109-3k
WB-1012-72	72"L x 10"W x 12"H	3	65 lbs.	5 cu. ft.	2	CWM-R1109-4k
WB-1012-96	96"L x 10"W x 12"H	4	85 lbs.	6.7 cu. ft.	2	CWM-R1109-5k
WB-1012-120	120"L x 10"W x 12"H	5	105 lbs.	8.3 cu. ft.	3	CWM-R1109-3k + CWM-R1109-4k
WB-1218-24	24"L x 12"W x 18"H	2	46 lbs.	3 cu. ft.	0	CWM-R1114-MS
WB-1218-36	36"L x 12"W x 18"H	2	55 lbs.	4.5 cu. ft.	0	CWM-R1114-2k
WB-1218-48	48"L x 12"W x 18"H	2	61 lbs.	6 cu. ft.	1	CWM-R1114-2k
WB-1218-60	60"L x 12"W x 18"H	3	80 lbs.	7.5 cu. ft.	2	CWM-R1114-3k
WB-1218-72	72"L x 12"W x 18"H	3	90 lbs.	9 cu. ft.	2	CWM-R1114-4k
WB-1218-96	96"L x 12"W x 18"H	4	105 lbs.	12 cu. ft.	2	CWM-R1114-5k
WB-1218-120	120"L x 12"W x 18"H	5	148 lbs.	15 cu. ft.	4	CWM-R1114-3k + CWM-R1114-4k
WB-1824-24	24"L x 18"W x 24"H	2	62 lbs.	6 cu. ft.	0	CWM-R2020-MS
WB-1824-36	36"L x 18"W x 24"H	2	72 lbs.	9 cu. ft.	0	CWM-R2020-MS
WB-1824-48	48"L x 18"W x 24"H	2	82 lbs.	12 cu. ft.	1	CWM-R1620-2k
WB-1824-60	60"L x 18"W x 24"H	3	108 lbs.	15 cu. ft.	1	CWM-R2020-2k
WB-1824-72	72"L x 18"W x 24"H	3	118 lbs.	18 cu. ft.	2	CWM-R1620-3k
WB-1824-96	96"L x 18"W x 24"H	4	154 lbs.	24 cu. ft.	3	CWM-R1620-4k
WB-1824-120	120"L x 18"W x 24"H	5	190 lbs.	30 cu. ft.	4	CWM-R1620-5k
WBT-1012-XX	Drill Template for -1012 Wilshire Box					
WBT-1218-XX	Drill Template for -1218 Wilshire Box					
WBT-1824-XX	Drill Template for -1824 Wilshire Box					

Anchors and Local Engineering Requirements

Tournesol Siteworks recommends a minimum 1/2" anchor be used with the Wilshire Box. The exact nature, depth, and method of embed of the anchor should be determined by a structural engineer familiar with the specifics of local code for the application. Should there be specific questions regarding the design and use of the Wilshire Box, consult with your local Tournesol Siteworks salesperson.



Wilshire Box systems are made of two parts :

1. Brackets, which incorporate a back plate mounted to the wall with 2 or 3 anchors, a bottom support, and stainless steel mounting studs which extend through pre-drilled holes in the back of the planter. 2-5 brackets are required, depending upon the length of the box.
2. Reinforced fiberglass planters with bracket pockets in the back so the box hugs the wall. The mounting holes are made in the factory, so little or no additional modification should be required.

Specifying the Wilshire Box Planters

Wilshire Boxes typically need irrigation in on-structure applications. Even with rainfall, planters are often subject to the rainshadow of the building. The environment in the box (extreme radiating heat from the building, UV, lack of ventilation) will dry out the plants faster than in more conventional settings. Accessing these plants is more difficult if something dies or needs to be replaced. An irrigation system is an inexpensive insurance policy.

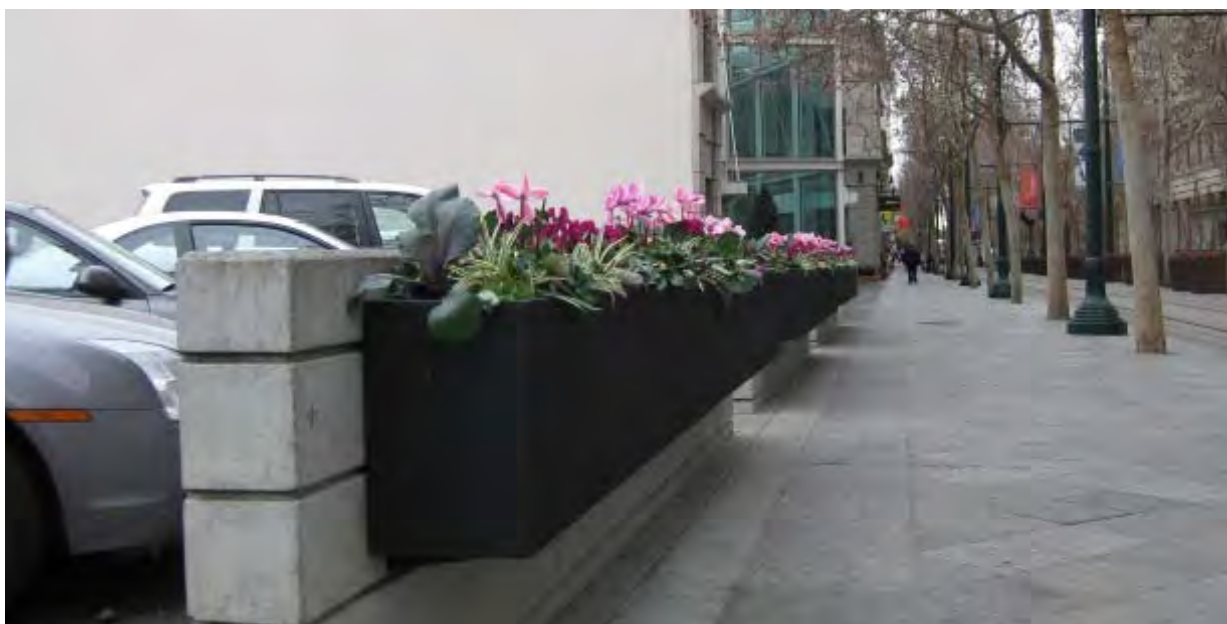
While the CWM Modular container irrigation system works extremely well with Wilshire Box planters, it requires a regular, manual refill. For this reason the CWM is used in locations where the box is easily accessible (ground levels or parking structures where the planter is on the inside of the spandrel wall, etc.) For poorly accessible applications a timer-based automatic system is usually preferable.

Drainage: While most designers take into account the complication and cost irrigating planters on the side of a building, they don't plan for a dedicated drainage system. Allowing water to free drain frequently results in staining of building surfaces, algae growth, and significant remediation cost for the owner. Tournesol Siteworks strongly recommends the use of a plumbed drain line to keep water clear of the building.

A double-gasketed drainage adapter creates an easy, field-installed way to plumb a drain. Where one 3/4" or 1" drain pipe is usually sufficient for shorter boxes, two may be required for 8' and 10' boxes. When specifying, consider typical rainfall as well as the rain shadow of the building. Up to 2-3 boxes mounted next to each other may be "daisy-chained", using a drainage adapter between units. Ask your salesperson for details.

Installation: Mounting the Wilshire Box has been designed to be as simple and quick as possible. There are 3 steps – measuring & marking, bracket installation, box mounting.

- 1. Measuring & Marking:** A simple template is specifically created for the box size used. Align the template with the desired location for the bottom corners of the box, then mark the bracket anchor locations.
- 2. Bracket Installation:** Remove the template, and drill out the anchor holes. The brackets then may be set, and the washer and nut removed from the mounting stud on each bracket.
- 3. Box Mounting:** The box is set onto the support section of the brackets, the holes in the box aligned with the studs, and the box slid back onto the studs. The washer and nut should be firmly attached to the stud, then covered with a mastic or other waterproofing.





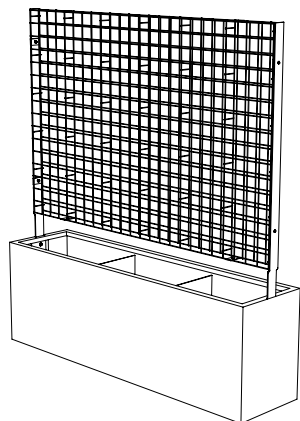
Wilshire Screen

Combine a planter and trellis to screen porches, patios, or equipment on roofs.

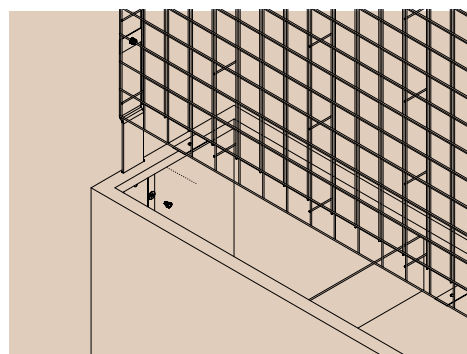
Since introducing our VertiGreen 3D trellis, the pairing of Wilshire Collection rectangles and trellis has led to fantastic solutions for screening off unsightly views or providing privacy. However, they've always been considered separate products. We went back to work on the concept this year, creating a combination that forms a cohesive product.

Previous generations of the product required a fully edge-trimmed panel, and brackets that mount to the outside of the box. We've now integrated bracket pockets into the interior wall of the planter, and extended the bracket up the side of the trellis panel, simplifying installation and reducing cost. We can customize either the planter or the trellis as required, creating a solution perfect for your installation.

Part No.	Trellis Grid	Total Height to Top of Trellis	Planter Size	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
WX3-481824-78	3"	78"	48" L x 18"W x 24" H	65	12	CWM-R1620-2k
WX6-481824-78	6"	78"	48" L x 18"W x 24" H	65	12	CWM-R1620-2k
WX3-482424-78	3"	78"	48" L x 24"W x 24" H	75	16	CWM-R1620-2k
WX6-482424-78	6"	78"	48" L x 24"W x 24" H	75	16	CWM-R1620-2k
WX3-721824-78	3"	78"	72" L x 18"W x 24" H	95	18	CWM-R1620-3k
WX6-721824-78	6"	78"	72" L x 18"W x 24" H	95	18	CWM-R1620-3k
WX3-722424-78	3"	78"	72" L x 24"W x 24" H	105	24	CWM-R1620-3k
WX6-722424-78	6"	78"	72" L x 24"W x 24" H	105	24	CWM-R1620-3k



Integrated bracket pockets leave a clean look to the outside of the planter.



Brackets are secured with stainless steel screws.



Zest Collection

Design: Surya Graf, 2013



A traditional egg-pot shape with a twist! This new design from Street & Garden Furniture surprises from every angle, without distracting from the plant. Whether in our modern-looking FRP or a more rustic feeling lightweight GFRC, Zest adds a sense of life to any commercial or residential space.

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
ZS-1800	FRP	18" x 10.7" x 15.6"	14.4" x 10" x 13.9"	10	1	CWC-1300
ZS-2400	FRP	24" x 14.4" x 21"	19.2" x 14" x 18.8"	20	2.5	CWC-1600
ZS-3000	FRP	30" x 18" x 26"	24" x 17.5" x 23.3"	30	5	CWC-2100/CWM-1720-MS
ZS-3600	FRP	36.4" x 21.6" x 31"	28.75" x 21" x 27.8"	40	9	CWM-2500/CWM-1720-2k
ZS-4200	FRP	42" x 25" x 36"	33.5" x 24.5" x 32.3"	55	14	CWM-2800/ CWM-1720-2k
ZCS-1800	GFRC	18" x 10.7" x 15.6"	14.4" x 10" x 13.9"	80	.75	CWC-1300
ZCS-2400	GFRC	24" x 14.4" x 21"	19.2" x 14" x 18.8"	135	2	CWC-1600
ZCS-3000	GFRC	30" x 18" x 26"	24" x 17.5" x 23.3"	210	3.5	CWC-2100/CWM-1720-MS
ZCS-3600	GFRC	36.4" x 21.6" x 31"	28.75" x 21" x 27.8"	340	7	CWM-2500/CWM-1720-2k
ZCS-4200	GFRC	42" x 25" x 36"	33.5" x 24.5" x 32.3"	410	11.5	CWM-2800/ CWM-1714-2k



Harlie Collection

Design: Jason Bird, 2011

The prismatic form of the new Harlie Collection by Australian designer Luxxbox is at once both faceted gemstone and articulated artifact. Drawing on gemology and mathematical principles with a playful reference to the geometry of the daring "Harlequin" in full costume, Harlie holds court with a killer design edge.

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
HS-2400	FRP	24" x 14.25" x 26"	14" x 14" x 25"	21	4.7	CWC-1216
HS-3000	FRP	30" x 18" x 30"	17.5" x 17.5" x 29"	32	8.4	CWC-1500
HS-3600	FRP	36" x 21" x 33"	21" x 21" x 32"	42	13	CSC-1800
HCS-2400	GFRC	24" x 14.25" x 26"	14" x 14" x 25"	200	3.2	CWC-1216
HCS-3000	GFRC	30" x 18" x 30"	17.5" x 17.5" x 29"	300	6.7	CWC-1500
HCS-3600	GFRC	36" x 21" x 33"	21" x 21" x 32"	400	11	CWC-1800



Downtown Collection: Squares & Rectangles

Modern is the new classic!

By adding a distinctive curve and soft corners, Tournesol Siteworks has created a new classic container, the Downtown Collection. Using tall, elegant proportions typical of the new modern, it adds flair to any project. All round, square and rectangular shapes carry the distinctive tall proportions.

Squares

Part No.	Material	Exterior Size	Interior Size	Weight	Soil Volume	Matching Irrigation
DR-2400	FRP	24" x 15.5" x 24"	21" x 15" x 23.5"	40	4.75	CWC-R1850/CWM-R1114-2k
DR-3000	FRP	30" x 18.5" x 32"	26" x 18" x 31.5"	65	11	CWM-R2014-MS
DR-3600	FRP	36" x 22.5" x 34"	32" x 22" x 33.5"	75	16.75	CWM-R2014-2k
DR-4200	FRP	42" x 28.5" x 34"	38" x 28" x 33.5"	85	23	CWM-R2014-2k
DR-4800	FRP	48" x 26.5" x 42"	44" x 26" x 41.5"	110	33	CWM-R2020-4k
DR-6000	FRP	60" x 45" x 42"	56" x 45" x 41.5"	123	64	CWM-R2020-4k
DCR-2400	GFRC	24" x 15.5" x 24"	21" x 13.5" x 23"	250	4.8	CWC-1850/CWM-R1114-MS
DCR-3600	GFRC	36" x 18.5" x 34"	32" x 16.5" x 33"	475	16	CWM-R2014-2k
DCR-4800	GFRC	48" x 42" x 36"	44" x 30" x 35"	700	30	CWM-R2020-4k

Rectangles

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
DR-241818	FRP	24" x 18"	20.5" x 14"	18"	20" x 14"	20" x 13.8"	17.5"	25	3.4	CWM-R1114-MS
DR-361818	FRP	36" x 18"	32.5" x 14"	18"	32" x 14"	32" x 13.8"	17.5"	35	5.3	CWM-R1114-2k
DR-362424	FRP	36" x 24"	29" x 17"	24"	32" x 20"	29" x 17"	23.5"	40	8.5	CWM-R1120-2k
DR-481818	FRP	48" x 18"	44.5" x 14"	18"	44" x 14"	44" x 13.8"	17.5"	40	7	CWM-R1614-2k
DR-482424	FRP	48" x 24"	41.5" x 17.5"	24"	44" x 20"	41" x 17"	23.5"	45	11.5	CWM-R1620-2k
DR-601818	FRP	60" x 18"	56.5" x 14"	18"	56" x 14"	56" x 13.8"	17.5"	50	9	CWM-R2014-2k
DR-602424	FRP	60" x 24"	53" x 17"	24"	56" x 20"	53" x 17"	23.5"	55	15	CWM-R2020-2k
DCR-241818	GFRC	24" x 18"	20.5" x 14"	18"	20" x 14"	18.5" x 12"	17"	150	3	CWM-R1114-MS
DCR-361818	GFRC	36" x 18"	32.5" x 14"	18"	32" x 14"	30.5" x 12"	17"	200	4	CMW-R1114-2k
DCR-362424	GFRC	36" x 24"	29" x 17"	24"	32" x 30"	28" x 16"	23"	300	8	CWM-R1120-2k
DCR-481818	GFRC	48" x 18"	44.5" x 14"	18"	44" x 14"	42.5" x 12"	17"	250	6.4	CWM-R1614-2k
DCR-482424	GFRC	48" x 24"	41" x 17"	24"	44" x 20"	40" x 16"	23"	350	11	CWM-1620-2k
DCR-601818	GFRC	60" x 18"	56.5" x 14"	18"	56" x 14"	54.5" x 12"	17"	300	8	CWM-R2014-2k
DCR-602424	GFRC	60" x 24"	53" x 17"	24"	56" x 20"	52" x 16"	23"	400	14	CWM-R2020-2k

Site Furnishings

Part No.	Material	Shape	Exterior Dimensions	Description
DS-ASH	FRP	Round	18"dia x 24"H	Ash Can with Lid
DCS-ASH	GFRC	Round	18"dia x 24"H	Ash Can with Lid
DS-TRS	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid
DCS-TRS	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid
DS-ATR	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Ash Lid
DCS-ATR	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Ash Lid



ABOVE

The Headquarters, San Diego, CA.

DR-481818 in MMP Iron.

Design: Wimmer, Yamada & Caughey Landscape Architects

OPPOSITE

The Headquarters, San Diego, CA.

DR-3600 in MMP Iron.

Design: Wimmer, Yamada & Caughey Landscape Architects



Downtown Collection: Rounds & Low Bowls

Modern is the new classic!

By adding a distinctive curve and soft corners, Tournesol Siteworks has created a new classic container, the Downtown Collection. Using tall, elegant proportions typical of the new modern, it adds flair to any project. All round, square and rectangular shapes carry the distinctive tall proportions. The low bowls make perfect flower planters.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
DS-1800	FRP	18" x 13.5" x 18"	14" x 13" x 17.5"	11	2	CWM-1114-MS
DS-2400	FRP	24" x 15.5" x 27"	20" x 15" x 26.5"	21	4.7	CWC-1600/CWM-1114-2k
DS-3000	FRP	30" x 18.5" x 32"	26" x 18" x 31.5"	32	8.4	CWC-2100/CWM-1714-2k
DS-3600	FRP	36" x 22.5" x 34"	32" x 22" x 33.5"	42	13	CWC-2800/CWM-1714-3k
DS-4200	FRP	42" x 26.5" x 36"	38" x 26" x 35.5"	52	19	CWC-3300/CWC-1720-3k
DS-6000	FRP	60" x 38" x 42"	56" x 39" x 41.5"	90	45	CWM - 2920-2k
DCS-2400	GFRC	24" x 15.5" x 27"	20" x 13.5" x 26"	200	3.2	CWC-1600/CWM-1114-2k
DCS-3000	GFRC	30" x 18.5" x 32"	26" x 16.5" x 31"	300	6.7	CWC-2100/CWM-1714-2k
DCS-3600	GFRC	36" x 22.5" x 34"	32" x 20.5" x 33"	400	11	CWC-2500/CWM-1714-3k
DCS-4200	GFRC	42" x 26.5" x 36"	38" x 24.5" x 35"	500	16	CWC-3300/CWM 1720-3k

Low Bowls

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
DS-2418	FRP	24" x 13.5" x 18"	20" x 13" x 17.5"	15	2.8	CWC-1600/CWM-1114-2k
DS-3624	FRP	36" x 22.5" x 24"	32" x 22" x 23.5"	32	8	CWM-1714-2k
DS-4824	FRP	48" x 30.5" x 24"	44" x 30" x 23.5"	46	16.5	CWM-2914-MS
DS-6024	FRP	60" x 42" x 24"	56" x 41" x 23.5"	63	28.4	CWM 2914-2k
DCS-2418	GFRC	24" x 15.5" x 18"	20" x 12.5" x 17"	150	2.5	CWC-1600/CWM-1114-2k
DCS-3624	GFRC	36" x 22.5" x 24"	32" x 20.5" x 23"	315	8	CWM-1714-2k
DCS-4824	GFRC	48" x 30.5" x 24"	44" x 29" x 23"	400	16	CWM-2914-MS
DCS-6024	GFRC	60" x 42" x 24"	56" x 41" x 23"	500	28	CWM 2914-2k



Urban Collection: Tall

A tall profile and modern shape make this a truly urban planter.

The Urban Tall pots share the same sleek, modern look of our standard Urban Collection planters. The added height of the tall containers turns them into an even stronger statement piece.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
UST-1800	FRP	18" x 13.5" x 30"	14" x 13" x 29.5"	22	3.5	CWI-1200-X/CSM-1114-MS
UST-2400	FRP	24" x 19" x 48"	20" x 18.5" x 47.5"	55	6.5	CWC-1600/CWM-1114-2k
UST-3000	FRP	30" x 25.5" x 54"	26" x 25" x 53.5"	75	14	CWC-2100/CWM-1114-2k
UCST-1800	GFRC	18" x 13.5" x 30"	14" x 11" x 29"	150	3	CWI-1200-X/CSM-1114-MS
UCST-2400	GFRC	24" x 19" x 48"	20" x 17" x 47"	250	6	CWC-1600/CWM-1114-2k
UCST-3000	GFRC	30" x 25.5" x 54"	26" x 23" x 53"	400	13	CWC-2100/CWM-1720-2k

Squares

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
URT-1800	FRP	18" x 14.5" x 30"	14" x 14" x 23.5"	30	3.8	CWM-1114-MS
URT-2400	FRP	24" x 20.5" x 48"	22" x 20" x 47.5"	65	11	CSC-R1850
URT-3000	FRP	30" x 25.5" x 54"	26" x 24" x 53.5"	80	19	CWM-R2020-MS
UCRT-1800	GFRC	18" x 13.5" x 30"	14" x 12" x 23"	200	3.8	CWM-R1120-MS
UCRT-2400	GFRC	24" x 20.5" x 48"	22" x 18.5" x 47"	400	12	CWC-R1850
UCRT-3000	GFRC	30" x 24.5" x 54"	26" x 22" x 53"	400	18	CWM-R2020-MS

ABOVE

Cummings Park, Palo Alto, CA.

URT-2400 in MI Copper with CWC irrigation.

OPPOSITE

Pasadena Towers, Pasadena, CA.

Design: Melendrez Design Partners



Urban Collection

A tall profile and modern shape make this a truly urban planter.

The Urban Collection by Tournesol Siteworks reflects the contemporary mood of today's discerning client. Sleek, simple, and elegantly proportioned, they work with most modern designs. Lightweight fiberglass and concrete finishes make it durable enough for today's world.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
US-1800	FRP	18" x 13.5" x 24"	14" x 13" x 23.5"	11	2.6	CWM-1114-MS
US-2400	FRP	24" x 19" x 27"	20" x 18.5" x 26.5"	20	5.5	CWC-1600/CWM-1114-2k
US-3000	FRP	30" x 25.5" x 32"	26" x 25" x 31.5"	32	11	CWC-2100/CWM-1720-2k
US-3600	FRP	36" x 29.5" x 34"	32" x 29" x 33.5"	42	16	CWC-2500/CWM-1720-3k
US-4200	FRP	42" x 37.5" x 36"	38" x 37" x 35.5"	52	25	CWC-3300/CWM-1720-4k
US-6000	FRP	60" x 54" x 36"	56" x 53.5" x 35.5"	90	45	CWM-2920-2k
US-7200	FRP	72" x 65" x 42"	67" x 64.5" x 41.5"	140	93	CWM-2920-2k
UCS-2400	GFRC	24" x 19" x 27"	20" x 17" x 26"	200	5	CWC-1600/CWM-1114-2k
UCS-3000	GFRC	30" x 25.5" x 32"	26" x 23.5" x 31"	300	10	CWC-2100/CWM-1720-2k
UCS-3600	GFRC	36" x 29.5" x 34"	32" x 27.5" x 33"	400	16	CWC-2500/CWM-1720-3k
UCS-4200	GFRC	42" x 37.5" x 36"	38" x 35.5" x 35"	500	24	CWC-3300/CWM-1720-4k
UCS-6000	GFRC	60" x 54" x 36"	56" x 53" x 35"	780	51	CWM-2920-2k

Site Furnishings

Part No.	Material	Shape	Exterior Dimensions	Description
UR-ASH	FRP	Square	18"sq x 24"H	Ash Can with Lid
UCR-ASH	GFRC	Square	18"sq x 24"H	Ash Can with Lid
UR-TRS	FRP	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner & Lid
UCR-TRS	GFRC	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner & Lid
UR-ATR	FRP	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner & Ash Lid
UCR-ATR	GFRC	Square	22"sq x 34.5"H	Trash Can with LLDPE Liner & Ash Lid

ABOVE

IMT Residential Community, Burbank, CA.

UR-3600 in Caramel color, with CWC irrigation.

OPPOSITE

The Shores, Marina del Rey, CA.

US-7200 in MMP Iron. Design: LRM Landscape Architecture.

Squares

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
UR-1800	FRP	18" x 14.5" x 24"	14" x 14" x 23"	25	3.5	CWC-R1100/CWM-R1114-MS
UR-2400	FRP	24" x 19.5" x 27"	21" x 19" x 26"	30	7.2	CWC-1850/CWM-R1114-2k
UR-3000	FRP	30" x 24.5" x 34"	26" x 24" x 33"	40	14	CWM-R2020-MS
UR-3600	FRP	36" x 30" x 34"	32" x 29.2" x 33"	75	20	CWM-R2020-2k
UR-4200	FRP	42" x 36.5" x 36"	38" x 36" x 35.5"	85	30	CWM-R2020-2k
UR-4800	FRP	48" x 42" x 42"	44" x 41" x 41"	125	48	CWM-R2920-2k
UR-6000	FRP	60" x 53.4" x 42"	56" x 53" x 41.5"	135	75	CWM-R2920-4k
UR-7200	FRP	72" x 65" x 44"	68" x 64" x 43.5"	165	117	CWM-R2920-4k-E
UCR-2400	GFRC	24" x 19.5" x 27"	21" x 16.5" x 26"	250	5.5	CWC-1850/CWM-R1114-2k
UCR-3000	GFRC	30" x 24.5" x 32"	26" x 22.5" x 31"	365	12	CWM-R2020-MS
UCR-3600	GFRC	36" x 30" x 34"	32" x 28" x 33"	500	20	CWM-R2020-2k
UCR-4800	GFRC	48" x 42" x 32"	43" x 40" x 31"	800	44	CWM-R2920-2k

Rectangles

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
UR-241824	FRP	24" x 18"	20.5" x 13.5"	24"	20" x 14"	20" x 13"	23.5"	17	4.75	CWM-R1114-MS
UR-361824	FRP	36" x 18"	32.5" x 13.5"	24"	32" x 14"	32" x 13"	23.5"	33	7.3	CWM-R1114-2k
UR-362424	FRP	36" x 24"	32" x 20"	24"	32" x 20"	32" x 20"	23.5"	35	9.5	CWM-R1614-2k
UR-363030	FRP	36" x 30"	38" x 25"	30"	32" x 26"	31" x 25"	29.5"	46	15	CWM-R1614-2k
UR-481824	FRP	48" x 18"	44.5" x 13.5"	24"	44" x 14"	44" x 13"	23.5"	40	10	CWM-R1614-2k
UR-482424	FRP	48" x 24"	44" x 20"	24"	44" x 20"	44" x 20"	23.5"	45	13	CWM-R1614-2k
UR-483030	FRP	48" x 30"	43" x 25"	30"	44" x 25"	43" x 25"	29.5"	55	20	CWM-R1620-2k
UR-601824	FRP	60" x 18"	56.5" x 13.5"	24"	56" x 14"	56" x 13"	23.5"	50	12.5	CWM-R2014-2k
UR-602424	FRP	60" x 24"	56" x 20"	24"	56" x 26"	56" x 20"	23.5"	55	16	CWM-R2014-2k
UR-603030	FRP	60" x 30"	56" x 25"	30"	56" x 26"	56" x 20"	29.5"	67	25.5	CWM-R2020-2k
UCR-241824	GFRC	24" x 18"	20.5" x 13.5"	24"	20" x 14"	18.5" x 11.5"	23"	190	4.2	CWM-R1114-MS
UCR-361824	GFRC	36" x 18"	32.5" x 13.5"	24"	32" x 14"	30.5" x 11.5"	23"	250	6.6	CWM-R1114-2k
UCR-481824	GFRC	48" x 18"	44.5" x 13.5"	24"	44" x 14"	42.5" x 11.5"	23"	315	9	CWM-R1614-2k
UCR-601824	GFRC	60" x 18"	56.5" x 13.5"	24"	56" x 14"	54.5" x 11.5"	23"	375	11	CWM-R2014-2k





Arcade Collection

Low bowls don't have to disappear in an urban setting!

Our Arcade Collection has a pronounced rounded rim that adds flair while still staying modern. They can be used as an accent or a focal point for nearly any streetscape or plaza application. The rim lends it a slightly more classic feel, but the overall shape, proportion, and absence of decoration will lend itself to modern installations as well.

Rounds Only

Part No.	Material	Exterior (top x bottom x height)	Interior (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
AS-2408	FRP	24" x 10" x 8"	21.5" x 9.5" x 7.5"	10	1	CWF-2107
AS-3010	FRP	30" x 14" x 10"	25" x 13.5" x 9.5"	20	2	CWF-2508
AS-3610	FRP	36" x 16" x 10"	31" x 15.5" x 9.5"	25	3	CWF-2909
AS-4212	FRP	42" x 18" x 12"	37" x 17.5" x 11.5"	30	5	CWF-3410
AS-4812	FRP	48" x 20" x 12"	43" x 19.5" x 11.5"	40	6	
AS-6015	FRP	60" x 24" x 15"	55" x 23.5" x 14.5"	50	12	
AS-7218	FRP	72" x 28" x 18"	66" x 27" x 17"	75	20	
ACS-2408	GFRC	24" x 10" x 8"	21.5" x 8" x 7"	100	.9	CWF-2107
ACS-3010	GFRC	30" x 14" x 10"	25" x 12" x 9"	150	1.9	CWF-2508
ACS-3610	GFRC	36" x 16" x 10"	31" x 14" x 9"	200	2.7	CWF-2909
ACS-4212	GFRC	42" x 18" x 12"	37" x 16" x 11"	260	3.6	CWF-3410
ACS-4812	GFRC	48" x 20" x 12"	43" x 18" x 11"	315	5.6	
ACS-6015	GFRC	60" x 24" x 15"	55" x 22" x 14"	480	11	
ACS-7218	GFRC	72" x 28" x 18"	66" x 27" x 17"	550	20	





Aquarian Collection

Clean, unadorned elegance.

The traditional water-jar shape inspires the range of Aquarian Collection pots. Use a highly polished finish to get the feel of a ceramic planter, or go with the more rustic GFRC finishes for an older, ancient feel. The Aquarian's elegant curves work in commercial as well as residential spaces.

Rounds

Name	Material	Exterior (top x bottom x height)	Interior (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
QS-2448	FRP	24" x 14" x 48"	15" x 17" x 15.5"	39	2.5	CWI-1200/CWC-1300
QS-3024	FRP	24" x 16" x 24"	17" x 15.5" x 23.75"	26	7	CWI-1400/CWC-1500
QS-3000	FRP	30" x 19" x 30"	19" x 18.75" x 29.75"	31	9	CWC-1600/CWM-112-2k
QS-3600	FRP	36" x 22" x 36"	24" x 21.75" x 35.75"	44	15	CWC-2100/CWM-1720-2k
QS-4824	FRP	48" x 25" x 24"	40" x 24.75" x 23.75"	46	18	CWM-1714-3k
QCS-2448	GFRC	24" x 14" x 48"	15" x 16" x 15.5"	243	7.4	CWI-1200/CWC-1300
QCS-3024	GFRC	24" x 16" x 24"	17" x 14.5" x 23"	174	6	CWI-1400/CWC-1500
QCS-3000	GFRC	30" x 19" x 30"	19" x 17.5" x 29"	208	7.7	CWC-1600/CWM-112-2k
QCS-3600	GFRC	36" x 22" x 36"	24" x 20.5" x 35"	303	13	CWC-2100/CWM-1720-2k
QCS-4824	GFRC	48" x 25" x 24"	40" x 23.5" x 23"	316	16	CWM-1714-3k





Metro Collection

Less traditional, yet not rigid and boring.

The Metro Collection was born out of a desire to do something that would work with current architecture, but wouldn't feel cold and featureless. We gave the form a seductive curve, then a simple reveal to emphasize the shape. Whether in fiberglass, metallic infused, or GFRC, you'll agree that this collection works in most urban settings.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
MS-1800	FRP	20" x 15" x 21"	14.8" x 14.8" x 20.5"	14	3	CWC-1300/CWM-1114-MS
MS-2400	FRP	26" x 20" x 25"	20" x 19.5" x 24.5"	22	6	CWC-1600/CWM-1114-2k
MS-3000	FRP	30" x 24.5" x 28"	24" x 24" x 27.5"	28	9.3	CWC-2100/CWM-1720-2k
MS-3600	FRP	36" x 30" x 31"	29.5" x 29.2" x 30.5"	50	15	CWC-2500/CWM-1720-3k
MS-4200	FRP	42" x 35" x 34"	35" x 34.6" x 33.5"	70	23	CWC-2800/CWM-1720-3k
MS-4800	FRP	48" x 42" x 36"	41" x 42" x 35.5"	80	33	CWM-2920-MS
MS-6000	FRP	60" x 52" x 39"	53" x 52" x 38.5"	95	55	CWM-2920-3k
MCS-2400	GFRC	26" x 20" x 25"	20" x 18" x 24"	215	5.2	CWC-1600/CWM-1114-2k
MCS-3000	GFRC	30" x 24.5" x 28"	24" x 22.5" x 27"	280	8.5	CWC-2100/CWM-1720-2k
MCS-3600	GFRC	36" x 30" x 31"	29.5" x 28" x 30"	375	14	CWC-2500/CWM-1720-3k
MCS-4200	GFRC	42" x 35" x 34"	34.9" x 33" x 33"	480	21.5	CWC-2800/CWM-1720-3k

Squares

MR-1800	FRP	20" x 15" x 19"	14.8" x 14.8" x 18.5"	15	3.4	CWC-R1100/CWM-R1114-MS
MR-2400	FRP	24" x 19" x 25"	18.75" x 18.5" x 24.5"	31	6	CWC-R1500/CWM-R1114-2k
MR-3000	FRP	30" x 23.5" x 28"	24" x 23" x 27.5"	54	11.4	CWM-R1620-2k
MR-3600	FRP	36" x 30" x 31"	29.5" x 29.2" x 30.5"	70	19.5	CWM-R2020-2k
MR-4800	FRP	48.75" x 42" x 33"	41.5" x 42" x 33"	85	36	CWM-R2020-4k
MCR-2400	GFRC	24" x 19" x 25"	18.75" x 17" x 24"	230	5.3	CWC-R1500/CWM-R1114-2k
MCR-3000	GFRC	30" x 23.5" x 28"	24" x 21.5" x 27"	330	10.5	CWM-R1620-2k
MCR-3600	GFRC	36" x 30" x 31"	29.5" x 28" x 30"	440	17.5	CWM-R2020-2k

ABOVE

Westin Bayshore, Vancouver, BC.

MR-3000 in MI Bronze. Design: Coconut Grove

OPPOSITE

Sacramento International Airport, Sacramento, CA.

MCR-3600 in Shark, with CWM irrigation. Design: Vandertoolen Associates

Rectangles

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
MR-241818	FRP	24" x 18"	19.5" x 13.5"	18"	9.5" x 14.4"	19" x 13"	17.5"	25	3.5	CWM-R1114-MS
MR-361818	FRP	36" x 18"	31.5" x 13.5"	18"	31.5" x 14.4"	31" x 13"	17.5"	35	5.5	CWM-R1114-2k
MR-362424	FRP	36" x 24.5"	43" x 14"	24"	31.75" x 20"	42.5" x 13.5"	23.5"	40	8.5	CWM-R1120-2k
MR-481818	FRP	48" x 18"	43.5" x 13.5"	18"	43.5" x 14.4"	43" x 13"	17.5"	40	7.4	CWM-R1614-2k
MR-482424	FRP	48" x 24"	43" x 20"	24"	43.5" x 20"	43" x 20"	23.5"	45	11.5	CWM-R1620-2k
MR-601818	FRP	60" x 18"	55.5" x 13.5"	18"	55.5" x 14.4"	55" x 13"	17.5"	50	9.3	CWM-R2014-2k
MR-602424	FRP	60" x 24"	55.7" x 20"	24"	55.7" x 20"	55" x 20"	23.5"	55	15	CWM-R2020-2k
MCR-241818	GFRC	24" x 18.5"	19.5" x 13.5"	18"	19.5" x 14.4"	17.5" x 11.5"	17.5"	150	3	CWM-R1114-MS
MCR-361818	GFRC	36" x 18.5"	31.5" x 13.5"	18"	31.5" x 14.4"	29.5" x 11.5"	17.5"	200	4.9	CWM-R1114-2k
MCR-481818	GFRC	48" x 18.5"	43.5" x 13.5"	18"	43.5" x 14.4"	41.5" x 11.5"	17.5"	250	6	CWM-R1614-2k
MCR-601818	GFRC	60" x 18.5"	55.5" x 13.5"	18"	55.5" x 14.4"	53.5" x 11.5"	17.5"	300	8.3	CWM-R2014-2k

Site Furnishings

Part No.	Material	Shape	Exterior Dimensions	Description
MS-ASH	FRP	Round	18" dia x 24"H	Ash Can with Lid
MCS-ASH	GFRC	Round	18" dia x 24"H	Ash Can with Lid
MS-TRS	FRP	Round	24" dia x 30"H	Trash Can with LLDPE Liner and Lid
MCS-TRS	GFRC	Round	24" dia x 30"H	Trash Can with LLDPE Liner and Lid
MS-ATR	FRP	Round	24" dia x 30"H	Trash Can with LLDPE Liner and Ash Lid
MCS-ATR	GFRC	Round	24" dia x 30"H	Trash Can with LLDPE Liner and Ash Lid





Village Collection

A traditional style that stands out in a crowd.

How do you go traditional in a modern world? The Village Collection are lightweight fiberglass and concrete planters that are at home in nearly any urban setting. The style, with its slight taper and elegant foot, give a traditional impression without really being traditional.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
VS-1800	FRP	19.5" x 15" x 20"	14.7" x 14.5" x 19.75"	13	2.6	CWC-1300/CWM-1114-MS
VS-2400	FRP	23.5" x 18.5" x 23.75"	16.7" x 18" x 23.5"	19	4.7	CWC-1500/CWM-1114-2k
VS-3000	FRP	30.5" x 24.5" x 29.5"	25.25" x 24" x 29.25"	33	10	CWC-2100/CWM-1720-2k
VS-3600	FRP	36.5" x 30.5" x 30"	31" x 29.7" x 29.5"	46	15	CWC-2500/CWM-1720-3k
VS-4200	FRP	42.5" x 35.5" x 33"	36" x 35" x 32.5"	50	22.5	CWC-3300/CWM-1720-4k
VS-6000	FRP	60.5" x 54" x 39"	53" x 52" x 38.5"	90	59	CWM-2920-4k
VCS-2400	GFRC	23.5" x 21" x 23.75"	19" x 19" x 23"	190	4.4	CWC-1600/CWM-1114-2k
VCS-3000	GFRC	30.5" x 27" x 29.5"	25.5" x 25" x 28.75"	300	9	CWC-2100/CWM-1720-2k
VCS-3600	GFRC	36.5" x 33" x 30"	30.75" x 31" x 29"	370	14.5	CWC-2500/CWM-1720-3k
VCS-4200	GFRC	42.5" x 39.5" x 33"	36" x 37.5" x 32"	475	22	CWC-3300/CWM-1720-4k
VCS-6000	GFRC	60.5" x 54" x 39"	53" x 50" x 38"	825	58	CWM-2920-4k

Site Furnishings

Part No.	Material	Shape	Exterior Dimensions	Description
VS-ASH	FRP	Round	18"dia x 24"H	Ash Can with Lid
VCS-ASH	GFRC	Round	18"dia x 24"H	Ash Can with Lid
VS-TRS	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid
VCS-TRS	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Liner and Lid
VS-ATR	FRP	Round	24"dia x 30"H	Trash Can with LLDPE Linder and Ash Lid
VCS-ATR	GFRC	Round	24"dia x 30"H	Trash Can with LLDPE Linder and Ash Lid

Squares

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
VR-1800	FRP	19.75" x 14" x 20"	14.7" x 13.5" x 19.75"	15	3.2	CWC-R1100/CWM-R1114-MS
VR-2400	FRP	24" x 18" x 24.5"	18.75" x 17.5" x 24"	29	6.1	CWC-R1500/CWM-R1114-2k-ADJ
VR-3000	FRP	30.5" x 25" x 27"	24" x 24.5" x 26.5"	44	11.5	CWM-R1620-2k
VR-3600	FRP	36.5" x 32" x 30"	30" x 31" x 29.5"	70	20	CWM-R2020-2k-CRT
VR-4200	FRP	42" x 37" x 31"	36" x 36" x 30.5"	85	27	CWM-R2920-2k
VR-4800	FRP	48" x 42" x 32"	42" x 41" x 31.5"	100	37	CWM-R2920-2k
VR-6000	FRP	60" x 54" x 39"	54" x 53" x 38.5"	120	70	CWM-R2920-4k
VR-7200	FRP	72" x 66" x 42"	66" x 65" x 41.5"	155	110	CWM-R2920-4k-E
VCR-2400	GFRC	24" x 18" x 24.5"	17.75" x 16" x 23.5"	225	5.5	CWC-R1500/CWM-R1114-2k-ADJ
VCR-3000	GFRC	30.5" x 25" x 27"	25.5" x 23" x 26"	325	10.5	CWM-R1620-2k-ADJ
VCR-3600	GFRC	36.5" x 32" x 30"	32" x 30" x 29"	440	18	CWM-R2020-2k-ADJ
VCR-4800	GFRC	48" x 42" x 32"	43" x 40" x 31"	675	4	CWM-R2920-2k-ADJ



Rectangles

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
VR-241818	FRP	24.5" x 18.5"	21" x 15.5"	18"	20.7" x 14.2"	21" x 15"	17.5"	25	3.8	CWM-R1114-MS
VR-361818	FRP	36" x 18.5"	33" x 15.5"	18"	32.7" x 14.2"	33" x 15"	17.5"	35	5.9	CWM-R1114-2k
VR-362424	FRP	36" x 24"	33" x 21"	24"	33" x 21"	32.5" x 20.5"	23.5"	40	10	CWM-R1120-2k
VR-481818	FRP	48" x 18.5"	45" x 15.5"	18"	44.7" x 14.2"	45" x 15"	17.5"	40	8	CWM-R1614-2k
VR-482424	FRP	48" x 24"	45" x 21"	24"	45" x 21"	44.5" x 20.5"	23.5"	45	13	CWM-R1620-2k
VR-601818	FRP	60" x 18.5"	57" x 15.5"	18"	56.7" x 14.2"	57" x 15"	17.5"	50	9.5	CWM-R2014-2k
VR-602424	FRP	60" x 24"	57" x 21"	24"	57" x 21"	56.5" x 20.5"	23.5"	55	16	CWM-R2020-2k
VCR-241818	GFRC	24.5" x 18.5"	21" x 15.5"	18"	20.7" x 14.2"	19" x 13.5"	17.5"	150	3.4	CWM-R1114-MS
VCR-361818	GFRC	36" x 18.5"	33" x 15.5"	18"	32.7" x 14.2"	31" x 13.5"	17.5"	200	5.3	CWM-R1114-2k
VCR-481818	GFRC	48" x 18.5"	45" x 15.5"	18"	44.7" x 14.2"	43" x 13.5"	17.5"	250	7.2	CWM-R1614-2k
VCR-601818	GFRC	60" x 18.5"	57" x 15.5"	18"	56.7" x 14.2"	55" x 13.5"	17.5"	300	9.2	CWM-R2014-2k



SeaCrest Series

Lightweight Planters with Built-In Container Irrigation.

SeaCrest Series planters are the complete solution—a lightweight thermoplastic pot in our Tournesol Matrix finishes, with an integrated container irrigation reservoir and drainage containment system. SeaCrest Series lightweight planters with built-in container irrigation permit tremendous flexibility with larger site-furnishing sized containers.

Rounds

Part No.	Material	Exterior (top x bottom x height)	Interior (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Irrigation Capacity
SS-2417	LLDPE	24" x 18" x 17"	21" x 15" x 13"	20	2.5	11 gal
SS-2422	LLDPE	24" x 18" x 22"	21" x 18" x 18"	24	4	15 gal
SS-3022	LLDPE	32" x 24" x 22"	27" x 23" x 19"	35	5.4	21 gal
SS-3817	LLDPE	38" x 28" x 17"	33" x 29" x 14"	35	5.5	19 gal
SS-3822	LLDPE	38" x 28" x 22"	33" x 29" x 17"	55	6.75	23 gal
SS-3830	LLDPE	38" x 28" x 30"	33" x 29" x 25"	65	9	26 gal
SS-4830	LLDPE	48" x 35" x 30"	43" x 38" x 25"	150	15	40 gal
SS-5517	LLDPE	55" x 45" x 17"	50" x 38" x 14"	100	8.75	35 gal
SS-5536	LLDPE	55" x 45" x 36"	50" x 38" x 32"	180	23.75	76 gal

Squares

SR-242422	LLDPE	24" x 18" x 22"	20" x 16" x 18.5"	30	3.8	22 gal
SR-383824	LLDPE	38" x 28" x 24"	34" x 28" x 21"	75	10	28 gal

Rectangles

SR-482422	LLDPE	48" x 24"	40" x 16"	22"	42" x 18"	39" x 15"	19.5"	43	7	35 gal
SR-722422	LLDPE	72" x 24"	64" x 16"	22"	66" x 18"	65" x 15"	19.5"	65	11	51 gal
SR-723222	LLDPE	72" x 32"	64" x 24"	22"	67" x 27"	66" x 26"	19.5"	90	18	69 gal

SeaCrest Series Exterior Drainage Control - Allows drainage to be controlled by maintenance crew. Requires no saucer, leaves no stained pavement when used with drainage hose. Simply open stopcock after rain, or as often as planter needs to be drained. Each SeaCrest Series planter also comes with a siphon drain tube, which acts as a back-up drainage solution. It also serves as a means for checking standing water level in the planter.



Basix Collection

Basix pots look good, hold up well, and won't break the bank.

These rotationally molded LLD polyethylene pots are available in all Tournesol's great-looking matrix finishes. The material is full of UV-inhibitor to prevent cracking and crazing associated with less expensive plastic materials. The pots are lightweight, easy to handle during installation, and durable enough to move around without chipping or breaking. The styling mixes the traditional shape and profile with a more sleek, slightly modern line.

Rounds Only

Part No.	Material	Exterior (top x bottom x height)	Interior (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
BS-2100	LLDPE	21" x 13.5" x 18.5"	18.5" x 13" x 18"	8.5	2	CWC-1600/CWM-1114-MS
BS-2400	LLDPE	25.5" x 15.5" x 21.5"	23" x 15" x 21"	12	3.45	CWC-1800/CWM-1114-2k
BS-3000	LLDPE	29.25" x 16" x 24.75"	26" x 15.5" x 24.2"	17	4.7	CWC-2100/CWM-1720-MS
BS-3600	LLDPE	34.5" x 19.5" x 27.5"	30.5" x 18.9" x 27"	25	7.5	CWC-2500/CWM-1720-2k
BS-3900	LLDPE	38.75" x 21" x 29.5"	34.5" x 20.5" x 29"	38	10	CWC-2800/CWM-1720-3k
BS-4200	LLDPE	42.5" x 23.5" x 34.5"	39" x 23" x 34"	49	14.8	CWC-3300/CWM-1720-3k





Craftsman Collection

Arts-and-crafts tradition, updated for modern urban landscapes.

This collection was inspired by a vase by Oakland arts-and-crafts master Dirk van Erp. The “hammered” texture applied to the fiberglass mimics the hand-hammered copper created in his workshop. Our ability to create metal-infused finishes allows the original intent he had to come through, albeit on a far larger scale than would have been possible then. GFRC versions of the pot keep the arts-and-crafts lines, but don’t have the same hammered texture.

Rounds

Part No.	Material	Exterior Size (top x bottom x height)	Interior Size (top x bottom x height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
CS-1800	FRP	17.75" x 14" x 17.75"	13.5" x 13.75" x 17.5"	11	2	CWI-1200/CWM-1114-MS
CS-2400	FRP	22" x 20" x 24"	19.5" x 19.5" x 23.5"	20	4.7	CWC-1600/CWM-1114-2k
CS-3000	FRP	31" x 26" x 26.5"	26" x 25.5" x 26"	30	9.8	CWC-2100/CWM-1720-2k
CS-3600	FRP	37" x 30.5" x 30.5"	32.5" x 30" x 30"	40	17	CWC-2800/CWM-1720-3k
CS-4200	FRP	42" x 31" x 33.5"	36.3" x 30.6" x 33"	50	22.2	CWC-3300/CWM-1720-3k
CCS-2400	GFRC	22" x 20" x 22"	18.25" x 18" x 21"	160	3.7	CWC-1500/CWM-1114-2k
CCS-3000	GFRC	31" x 26" x 27.5"	26" x 24" x 26.5"	290	9.4	CWC-2100/CWM-1720-2k
CCS-3600	GFRC	37" x 30.5" x 30.5"	29" x 28" x 29.5"	380	15	CWC-2800/CWM-1720-3k
CCS-4200	GFRC	42" x 31" x 33.5"	36.3" x 29" x 32.5"	480	20	CWC-3300/CWM-1720-3k

Squares

CR-2400	FRP	22" x 18" x 22"	17.7" x 17.7" x 21.5"	32	4.5	CWC-R1500/CWM-R1114-2k
CR-3600	FRP	37" x 33" x 27.5"	32.3" x 32.5" x 27"	70	20	CWM-R2020-2k
CCR-2400	GFRC	22" x 18" x 22"	17.7" x 16" x 21"	190	4.5	CWM-R1500/CWM-R1114-2k
CCR-3600	GFRC	37" x 33" x 27.5"	32.3" x 31" x 26.5"	425	18.5	CWM-R2020-2k

ABOVE
Pacific Station, Encinitas, CA.
Design: Lightfoot Planning Group

OPPOSITE
Sierra Suites Hotel, Santa Clara, CA.
Design: Law-Kingdon Architecture

Rectangles

Part No.	Material	Exterior (top)	(bottom)	(height)	Interior (top)	(bottom)	(height)	Weight (lbs.)	Soil Volume (cubic ft.)	Matching Irrigation
CR-241818	FRP	24" x 18"	21" x 14"	18"	21" x 14"	20.5" x 13.7"	17.5"	25	3.7	CWM-R1114-MS
CR-361818	FRP	36" x 18"	33" x 14"	18"	33" x 14"	32.5" x 13.7"	17.5"	35	5.7	CWM-R1114-2k
CR-481818	FRP	48" x 18"	45" x 14"	18"	45" x 14"	44.5" x 13.7"	17.5"	40	7.7	CWM-R1614-2k
CR-601818	FRP	60" x 18"	57" x 14"	18"	57" x 14"	56.5" x 13.7"	17.5"	50	9.7	CWM-R2014-2k
CCR-241818	GFRC	24" x 18"	21" x 14"	18"	21" x 14"	19" x 12"	17"	150	3.25	CWM-R1114-MS
CCR-361818	GFRC	36" x 18"	33" x 14"	18"	33" x 14"	31" x 12"	17"	200	5.0	CWM-R1114-2k
CCR-481818	GFRC	48" x 18"	45" x 14"	18"	45" x 14"	43" x 12"	17"	250	7	CWM-R1614-2k
CCR-601818	GFRC	60" x 18"	57" x 14"	18"	57" x 14"	55" x 12"	17"	300	8.7	CWM-R2014-2k



Technical Information

Choosing a Container

Weight, aesthetics, overall durability, scratch resistance, impact resistance, texture options and cost are all factors in choosing your container. But which material works best? FRP vs. Metal-Infused FRP vs. GFRC vs. LLDPE? How do you know? We offer all them all because there is no right one for every application. However, there usually is a “best choice”. Each material is the result of a different manufacturing process, so most other manufacturers won’t provide more than one, maybe two.

You’ll find our materials ranked on the chart below. They are ranked relative to one another, not to other alternatives (i.e., terra cotta, cast concrete, steel). Because one is lower-ranked than another, it doesn’t mean that it isn’t suited for an application. For example, although FRP is ranked lower in overall durability than GFRC, it has still been used very successfully as a streetscape planter (typically in smaller cities with lower traffic levels).

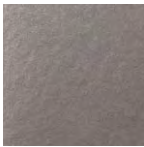
	Base Finishes (FRP)	Metal-Infused Finishes (FRP)	Lightweight Concrete (GFRC)	Thermoplastic Polyethylene (LLDPE)
Weight	low	low	medium	low
Aesthetics	medium	high	medium	low
Overall Durability	medium	medium	high	high
Scratch-Resistance	medium	high	high	medium
Impact resistance	low	low	high	high
Texture options	yes	yes	yes	no
Relative Cost	\$\$	\$\$\$	\$\$\$	\$

Specifying FRP Fiberglass

Our FRP fiberglass is designed to withstand the abuse of commercial life. FRP Fiberglass is a mixture of polyester resin and glass strands or stranded glass mat. The products are cast in molds (either using a spray out or a hand layup process), prepped with a texture (if applicable), then finished with a coat of acrylic enamel paint or metal-infused gelcoat.

Compared to other manufacturers, we cast using up to 50% more glass and resin for additional strength, and use no inorganic fillers to cheapen the mix. We also reinforce the flat, load carrying walls of pots using a double-veiled structural honeycomb material. This is stronger and lighter than reinforcing with plywood, and won’t rot over time. If you buy from Tournesol Siteworks, you can be confident you are getting your money’s worth.

Tournesol Siteworks designs our containers for direct planting in exterior conditions. The weight of the soil media used is important for flat-walled pots. We design around a maximum soil weight of 100 lbs. per cubic foot. This is sufficient for nearly all soilless potting mixes used in commercial applications. If the intention is to fill the container with sand, which on its own has a typical weight of 120 lbs. per cubic foot, you should check with your Tournesol salesperson. We can provide additional reinforcement for these applications.



T-0



T-1



T-2

Base Finishes: Our base finishes are FRP fiberglass coated with acrylic enamel paint over an applied texture. Most colors (including custom) are available in semi-gloss hardened or satin finishes. Semi-gloss finishes will withstand scratching and cleaning better than matte (think of paint in a kitchen vs. a bedroom). Textures (T-1 and T-2) provide the optimal level of durability. While they withstand scratching better than T-0 (smooth), they also hide scratches that do occur. Touch-up paint is automatically included for all pot orders greater than \$500, and may be ordered in any quantity. It is a two-part enamel, so once catalyst has been added to the touch-up, the entire can must be used within an hour or so.

Metal-Infused Finishes: Metal-infused finishes are powdered metals (bronze, aluminum, copper, iron) mixed into clear gel-coat then applied to FRP Fiberglass. Once the metal-infused resin has dried, the natural luster is brought out by hand buffing. This process will create some irregularities, a natural result of hand-finishing. Iron, the exception, is left in its original state. Metal-infused finishes are naturally hard, and resist scratches well.

Metal-Infused Weathering

- **Iron:** Iron will naturally rust, eventually appearing similar to Corten steel. The oxidized iron in the finish is soluble in water, so will leach off the planter after a rain. As this will stain whatever surface they are sitting on, they are not recommended for light-colored surfaces.
- **Bronze:** Bronze starts off a medium brown, which starts to darken weeks after they have been finished. Eventually they reach a rich, deep brown bronze color (think of an old penny). In some instances, depending upon the environment, the bronze may patina green (see below).
- **Copper:** Copper will darken like bronze, but retain a reddish hue. Copper will typically verdigris over time.
- **Aluminum:** Aluminum will not change color, but the natural lustre of the metal may dull over time.

Metal-Infused Patina: Patina effects may be accelerated, either intentionally or not, by rain water, soda or other liquids, cleaning products, animal waste, or may be slowed by oils and greases. The patina will change based upon contact with the agent, so may not be uniform (or natural). Weathering of metal-infused finishes may be prevented by sealing the product. This will need to be repeated, the frequency depending upon the sealer used.



The "before" and "after" images above, taken of the planters at the Pierre LaClede Center near St. Louis, provide an indication of weathering that may occur. Taken 12 months after installation, the "after" planters have darkened significantly, and a hint of greenish patina is visible, especially on the lower half of the planters. This was likely accelerated by the frequent washing of the plaza surface.

Metal-Matched Paint Colors - For those who appreciate the look of metal, but are wary of the aging process, Tournesol has developed a series of metal-matched paint colors that look like, but will not weather like the metals. They lack some of the richness of the metal-infused finish, but are predictable in a commercial environment. See the color page for actual color samples.

FRP Care - FRP fiberglass products should not be drug or moved around by the lip. Both base and metal-infused finishes may be washed with soap and water, and a soft brush. Bring back the luster of metal-infused finish by buffing with fine steel wool (#0), or a Scotchbrite pad. Holes and punctures can be repaired with epoxy. Touch-up should be applied after the epoxy has dried.

Specifying GFRC Lightweight Concrete

Why is GFRC light? GFRC, or Glass-Fiber Reinforced Concrete, is real concrete. It is made stronger than conventional cast concrete by replacing a rebar cage with long-strand alkaline-resistant glass fibers. Products made with GFRC can be made with significantly thinner wall sections (reducing the thickness up to 75%), which results in a truly lightweight product with the same durability as conventional concrete. It isn't the concrete that is different, but rather the reinforcement.

Finishes - We offer GFRC containers in two different finishes, travertine and acid-etch (although we're always working on new ones – just ask!). The travertine is a slightly rustic look, which leaves natural veins running through a smooth concrete finish. The acid-etch is far more uniform, and reveals more of the natural sand & aggregate color of the concrete. We can also sand-blast to different consistencies, which exposes more of the sand & aggregate and leaves progressively more coarse textures.

Sealing - Tournesol Siteworks can seal your GFRC container to prevent stains, marks, and even graffiti. Contact your salesperson for details.

Waterproofing - We waterproof our GFRC by integrating self-sealing crystalline-based waterproofing materials into the concrete. In addition, a waterproof coating is applied to the interior of each pot. This double-skin protects the pot for the life of the project.

Large containers (greater than 48" in diameter) are cast with lifting hooks integrated into the walls, for ease in placing them in an installation. The lifting hooks should be used with the empty container only – they are not designed to support a pot full of soil.

GFRC Care and repair - GFRC pots are extremely durable, and are resistant to scratching. The finish color is typically 1/8" to 1/4" thick, and is usually backed by a coordinating color. However, corners and sharp edges may be chipped when struck directly with a metal object. This may be repaired in the field with a pre-colored patch mix provided by Tournesol Siteworks. Due to the natural materials inherent in concrete, the color of the patch may not be exactly the same as the pot. Some hairline cracking in the GFRC product may occur once the product is installed. This typically is only present in the surface coat, and will not extend through the product or compromise the structural integrity of the product.





Deck & Paver Supports

Roofdeck construction, whether a podium on mixed-use construction or a rooftop patio, is one of the most important trends in construction today. The ability to quickly construct decks using adjustable pedestals and modular pavers and decking has simplified both the designer and contractor's work. The technology has been leveraged to simplify construction of not only roof decks, but fountains, ponds, and even parklets!

Tournesol Siteworks' partner Elmich of Singapore has become the leading manufacturer of adjustable pedestals worldwide by a continued commitment to innovation in this space. In addition to Elmich's efforts, this year we're adding our Boulevard Structural Wood tile to the mix. A North American sourced alternative to South American hardwoods, it gives specifiers a sustainable option for commercial applications.

Living Green at Orenco Station, Hillsboro, OR.
Design: LRS Architects

OPPOSITE LEFT
Tournesol Siteworks, Hayward, CA.
Boulevard Structural Wood Tiles.

OPPOSITE RIGHT
Fox Performing Art Center, Riverside, CA.



Boulevard® Structural Wood Tiles

Featuring Boulevard Thermally Modified North American Hardwood.



Boulevard™ Structural Wood Tiles are ecologically responsible, yet easy on the eyes. They are designed to combine the durability and beauty of Tournesol Siteworks' Boulevard thermally modified hardwoods (already used on our site furnishings) with the flexibility of our VersiJack and SpiraPave paver supports. The tiles have a Grade 1 durability (25+ year life), are splinter, twist, and warp resistant, and will naturally weather to a beautiful, rich silver patina.

Tournesol's Boulevard™ wood starts with FSC-certified hardwoods (typically red oak or ash) harvested in Minnesota and Wisconsin. The lumber is treated at high temperatures and with steam in a special kiln, located in Northern Minnesota. The natural process changes the chemical make-up of the wood, creating a gorgeous dark-colored lumber with exceptional rot, pest and decay resistance. Boulevard tiles are 50% lighter, and far easier to modify, cut, and work with on site than South American hardwoods. All Boulevard wood is free of the arsenic, copper, chrome and other hazardous materials present in pressure-treated woods.

Part No.	Description	Size	Weight
SWT-2424	Boulevard thermally modified structural wood tile	23-3/4" x 23-3/4" x 1-5/8" H.	14 lbs. each, 3.5 lbs./sq. ft.



Specifications

Color: Deep brown, will weather to silver/gray unless sealed.

Process: Pre-kilned to 10-15% moisture content, heated to 190°C to remove moisture, sugars and sap, steam added to stabilize moisture level at approx. 6%. Low moisture level and altered cell structure provides long term dimensional stability and resistance to warp, twist, and other wood movement.

Durability: Grade 1 (25+ years fully exposed) against rot, decay – EN-350-2 standard.
Janka Hardness – 1290 (lbs-force).

Source: FSC certified domestic harvest, kilned, processed, finished and assembled in Minnesota.

Fire Spread Rating: Class B, treated Class A available.

Fastening: Tournesol Siteworks strongly recommends the use of tile fastening assemblies when using Boulevard tiles with deck & paver supports. Part No. EA-TF01 is a sliding tile lock that allows for removal of two tiles at a time. Boulevard wood can be cut, machined or modified like conventional red oak.

Custom tiles (2x4, 2x6, ribbed surfaces) and Boulevard decking lumber are available on request.



VersiJack®

Adjustable deck and paver pedestals.

VersiJack® adjustable deck & paver pedestals are an economical replacement for brick, metal or wood substructures when installing raised pavers or decking. Raised podium floors allow for rapid drainage, easy accessibility to waterproofing membrane and concealed services below. Using purpose-built pedestals simplifies the design and reduces the installation cost compared to any other material.

VersiJack features optional indexing (up to 10%) slope correction either at the top of the pedestal or under the base, as well as secure, easy-to-set locking rings. The broad, stable base won't damage waterproofing, and can support more weight than any other pedestal system.

The pedestals can comfortably accommodate heights from 1-1/2" up to 40", and work equally well with pavers (using 3 standard paver spacing sizes) or with decking joists. They are manufactured in 100% recycled polypropylene, so won't rot, retain water, or promote bacteria growth.

VersiJack® Adjustable Deck & Paver Pedestals



Part No.	Description	Height Range
EVJ-0000	VersiJack® Size 0000, 6-3/8" dia.	Adjustable from 1-3/4" to 2"
EVJ-000	VersiJack® Size 000, 6-3/8" dia.	Adjustable from 2-1/4" to 3"
EVJ-00	VersiJack® Size 00, 6-3/8" dia.	Adjustable from 3-1/8" to 4-5/8"
EVJ-0	VersiJack® Size 0, 6-3/8" dia.	Adjustable from 4-7/8" to 7-7/8"
EVJ-1	VersiJack® Size 1, 6-3/8" dia.	Adjustable from 8" to 11"
EVJ-2	VersiJack® Size 2, 6-3/8" dia.	Adjustable 11-3/8" to 17-1/2"
EVJ-3	VersiJack® Size 3, 6-3/8" dia.	Adjustable from 14-1/4" to 20-5/8"
EVJ-4	VersiJack® Size 4, 6-3/8" dia.	Adjustable from 18" to 27"
EVJ-5	VersiJack® Size 5, 6-3/8" dia.	Adjustable from 20-3/4" to 30-3/8"
EVJ-6	VersiJack® Size 6, 6-3/8" dia.	Adjustable from 24-5/8" to 36-3/4"
EVJ-7	VersiJack® Size 7, 6-3/8" dia.	Adjustable from 27" to 40"





VersiJack® Accessories

Part No.	Description	Note
EA-BH	Beam Support, 6-3/8" dia. x 1"H. adds 1/4" additional height	Supports beams from 1-3/4" to 3-1/2"W.
EVJ-SCB	Base Slope Corrector, 6-3/8" dia. x 1-3/4"H	Base-mount slope correction from 1% to 5%, in 1% increments.
EA-SCT	Platform Slope Corrector, 6-3/8" dia.	Slope correction from 1% to 5%, in 1% increments.
EA-TF01	Sliding Wood Tile Locking Set.	Includes 1/4" spacer tab, plastic sliding fastener, stainless steel screw and fastener support - all preassembled. Requires 1/4" (6mm) tile locking slot.
EA-SP4	1/8" Paver Spacer Tab, 3" dia. x 1"H	Provides 1/8" spacing between pavers.
EA-SP6	1/4" Paver Spacer Tab, 3" dia. x 1"H	Provides 1/4" spacing between pavers.
EA-SP10	3/8" Paver Spacer Tab, 3" dia. x 1"H	Provides 3/8" spacing between pavers.
EVJ-TT	VersiJack® Turning Tool	For quick height adjustments using a standard electric drill.
EA-01	Neoprene Shim, 5.5" dia. x 1 mm (.04")	May be divided into quarters.
EA-02	Neoprene Shim, 5.5" dia. x 2 mm (.08")	May be divided into quarters.

All VersiJack® products are manufactured in 100% post-consumer recycled polypropylene. The material is unaffected by mold or algae, and is resistant to most chemicals. The ultimate compressive strength, as measured by ASTM D695-08, is 20kN (4496 lbf), which will support 3500 lbs. Some units are delivered pre-assembled, check with the factory for details. Place the jack and twist the top pedestal and/or mid-barrels to adjust the height. The slope corrector can be set for the correct roof pitch, then the beam support or paver spacer tab installed and rotated to the correct orientation.



SpiraPave®

Ultra-low and low adjustable deck and pedstal jacks.

SpiraPave® adjustable deck and paver jacks are an economical replacement for brick, metal or wood substructures when installing raised pavers or decking. Raised podium floors allow for rapid drainage, easy accessibility to waterproofing membrane and concealed services below. Using purpose-built jacks will simplify the design and reduce the installation cost compared to any other material.

The SpiraPave system is designed to quickly and easily install the same adjustable slope correction (up to 10%) for ultra-low and low-height deck and paver installations. The SpiraPave pedestals use a innovative ratcheting mechanism that is adjustable in 1/16" increments to span from ½" up to 4-3/4" heights. The broad, stable base won't damage waterproofing, and works equally well with pavers (using our standard paver spacing sizes) or with decking (using our beam support).

SpiraPave® Adjustable Deck & Paver Jacks

Part No.	Description	Height Range
ESP-1	SpiraPave® size 1, 6-3/8" dia.	1/2" to 3/4" height (will not work with EA-SCT)
ESP-2	SpiraPave® size 2, 6-3/8" dia.	3/4" to 7/8" height
ESP-3	SpiraPave® size 3, 6-3/8" dia.	7/8" to 1-1/8" height
ESP-4	SpiraPave® size 4, 6-3/8" dia.	1-1/8" to 1-3/4" height
ESP-5	SpiraPave® size 5, 6-3/8" dia.	1-3/4" to 2-3/8" height
ESP-6	SpiraPave® size 6, 6-3/8" dia.	2-3/8" to 3" height





SpiraPave® Accessories

Part No.	Description	Note
EA-BH	Beam Support, 6-3/8" dia. x 1"H. adds 1/4" additional height	Supports beams from 1-3/4" to 3-1/2"W.
ESP-EXT175	SpiraPave®, Extender 6-3/8" dia. x 1-3/4"H	Adds 1-3/4" additional height to any ESP jack.
EA-SCT	Platform Slope Corrector, 6-3/8" dia.	Slope correction from 1% to 5%, in 1% increments.
EA-TF01	Sliding Wood Tile Locking Set.	Includes 1/4" spacer tab, plastic sliding fastener, stainless steel screw and fastener support - all preassembled. Requires 1/4" (6mm) tile locking slot.
EA-SP4	1/8" Paver Spacer Tab, 3" dia. x 1"H	Provides 1/8" spacing between pavers.
EA-SP6	1/4" Paver Spacer Tab, 3" dia. x 1"H	Provides 1/4" spacing between pavers.
EA-SP10	3/8" Paver Spacer Tab, 3" dia. x 1"H	Provides 3/8" spacing between pavers.
EA-01	Neoprene Shim, 5.5" dia. x 1 mm (.04")	May be divided into quarters.
EA-02	Neoprene Shim, 5.5" dia. x 2 mm (.08")	May be divided into quarters.

All SpiraPave® products are manufactured in 100% post-consumer recycled polypropylene. The material is unaffected by mold or algae, and is resistant to most chemicals. The ultimate compressive strength, as measured by ASTM D695-08, is 25kN (5607 lbf), which will support 4400 lbs. Units are delivered pre-assembled. Place the jack and twist the top element clockwise to adjust the height. The slope corrector can be set for the correct roof pitch, then the beam support or paver spacer tab installed and rotated to the correct orientation.

OPPOSITE

The Arte Condominiums, Singapore.

Using a low SpiraPave® allowed for slope correction and adjustability.

ABOVE

The Marq on Patterson Hill, Singapore.

Pairing beam supports and SpiraPave® simplified a low height deck.



Accessories



Top Slope Correction For VersiJack and SpiraPave pedestal systems

Part No.	Description
EVA-SCT	Top Slope Corrector

The simple indexing system for slope correction is one of our strongest features. Set the top slope corrector on either a VersiJack or SpiraPave pedestal, align the desired slope (from 1-5%) in the window with the yellow arrow, and point the arrow on the corrector upslope. That's it! Top slope correctors allow the pedestal below to sit at an angle, so should only be used with pedestals shorter than 24". Use a second SCT on the bottom piece of a SpiraPave pedestal to add an additional 5% slope correction (up to 10%).



Bottom Slope Correction For VersiJack pedestal systems

Part No.	Description
EVJ-SCB	Bottom Slope Corrector, for use with pedestals higher than 24"

For VersiJack pedestals supporting heights more than 24" we recommend the use of a bottom slope corrector to ensure the pedestal stands straight. It features the same indexing correction (1-5%) as with the top slope corrector. Combine a top and bottom slope corrector on a VersiJack pedestal to add an additional 5% slope correction (up to 10%).



Fastener For Wood Paver Applications

Part No.	Description
EA-TF01	Sliding Wood Fastener, requires 1/4" (6mm) fastening slots

Because of the light weight of wood tiles, they typically need to be anchored to the pedestal. Tournesol Siteworks has created a sliding fastener that is quick and easy to install, and still allows two tiles to be removed at a time when required. The wood tile fastener kit includes a 1/4" spacer tab, plastic fastener and support and SS screw. The entire kit is pre-assembled, and will work with nearly any manufacturer's tile. The fastener is specifically designed to work with 1/4" (6mm) fastening slots.

Paver Spacer Tabs for Paver Applications

Part No.	Description
EA-SP4	Paver Spacer Tab, 1/8" spacing
EA-SP6	Paver Spacer Tab, 1/4" spacing
EA-SP10	Paver Spacer Tab, 3/8" spacing

Because not every paver deck will use the same tile spacing, we manufacture 3 different paver spacers. Each tab creates a 1/8", 1/4", or 3/8" gap between pavers, and is designed to be used with either pedestal system. All spacer tab posts are 3/4" high to work with standard commercial paver systems.



Beam Support For Deck Applications

Part No.	Description
EA-BH	Beam Support, to support joist for deck construction

Laying a deck on a sloped roof has never been easier. The beam support fits on both the VersiJack and SpiraPave pedestals (either with or without slope correction), and will hold a variety of joist sizes in place. The BH will work with single or twinned 2x2, 2x4 and 2x6 dimensional lumber. The spacing of the pedestal depends upon the joist size chosen (from every 24" to 48"). Use of the beam support makes decks faster, easier to install and resistant to moisture and rot than conventional wood post construction.



Tuning Tool For General Use

Part No.	Description
EVJ-TT	VersiJack Tuning Tool

Adjusting the heights of VersiJack pedestals on especially tall installations can take up valuable time in the field. Each pedestal must be turned to the correct height before installation. The Turning Tool was created to simplify and accelerate this process. Attach to a standard 1/2" chuck electric drill, and use the drill to rapidly spin the pedestal to the correct height.



Die-Cut Neoprene Shim for General Use

Part No.	Description
EA-01	Die -Cut Neoprene Shim, 1mm
EA-02	Die -Cut Neoprene Shim, 2mm

Our shims (1mm and 2mm high) are cut to be used with standard paver spacer tabs. Typically used for cushioning concrete pavers and/or minor adjustments to fine-tune fit, the shims may be easily cut into halves or quarters depending upon the need in the application.







Green Walls & Roofs

As the number of walls installed commercially steadily grows, what started out as a lark starts to take form as a viable means of greening the urban environment. Nevertheless, most greenwalls have been installed by owners willing to march ahead of the crowd. If the trend towards greening walls is to continue, more conventional clients will need to be able to find a partner that has broad product focus, a proven track record of consistent success, and the stability to be around for a while.

Tournesol Siteworks saw the opportunity early in this market – it fit naturally within our focus on the intersection of landscape and architecture. Some of the early players are gone, and others have shifted their focus. We've remained committed to greenwalls, and maintained a leading position in the business.

We've knitted together a network of reliable installing partners across the country that understand the application and have a record of success. Nobody is innovating greenwalls like Tournesol Siteworks. Our new products this year include components to make our already market-leading VGM3 better and a brand new tray system that helps realize living wall installations at lower price points.

Juniper Networks, Sunnyvale, CA.
Design: RMW Architecture

OPPOSITE LEFT
Rolling Stone Lounge, Los Angeles, CA.
Design: Brodin Design Build

OPPOSITE MIDDLE
Benson Tower, New Orleans, LA.
Design: Eskew + Dumez + Ripple

OPPOSITE RIGHT
Catalina Housing, Burbank, CA.
Design: PMA Architects



Tournesol VGM3®

The premier commercial-quality living wall system.

At its heart the Tournesol VGM3 system is a recycled plastic planting module attached to stainless steel hanging rails. Its simplicity is what makes it the leading product for commercial exterior living walls nationwide. Once grown in, the VGM3 provides instant, complete coverage of any vertical surface. New this year, we're introducing a stabilized media block that simplifies irrigation, minimizes falling soil, and ensures uniform, healthy plants. A wide, controllable variety of plant designs can be used in nearly any horticultural condition, from California to Massachusetts, Minnesota to Texas. Designed to last the life of the building, VGM3 is backed by Tournesol Siteworks' 30 years of experience and 3-year standard warranty.

Each planting module, made of 100% recycled polypropylene, has a generous 4" or 8" soil profile. Because root growth isn't limited to small cells or baffles like in other systems, plants grow healthier and stronger, which means lower maintenance yet more spectacular results. The new VGM3 makes it easier to plant the sides and top of the module, and additional planting straps keep plants and soil in place in winds up to 60mph.

Modules are shipped broken down to the jobsite, where they are assembled, filled (either with the VGM media block or conventional lightweight greenroof soil), and planted by local contractors. Grow-in, which may take 1-3 months with conventional soil, is greatly accelerated using the specially engineered media block. The stainless steel rails require minimal penetrations, and can be installed independent of the modules. They mount on any structurally sound wall, including building facades and freestanding tube steel frames. The mounting brackets are quick and easily assembled on to the box, and an optional anti-lift arm prevents removal by vandals or unexpected weather or seismic activity.



LEFT AND OPPOSITE

Loews Hotel, Santa Monica, CA.

This living wall, located near the Santa Monica pier, is the tallest in Southern California.

Design: Greenscaped Buildings

Tournesol VGM3® Living Wall Modules



Modules are black 100% recycled polypropylene, delivered flat with a black, non-woven soil retention bag. Each unit is approx. 3 sq. ft., and will accommodate 16 small plants. Panel walls are 1" thick, designed for 30 year use. The top panel of the VGM3® modules is now removable for adding soil or changing plantings.

Part No.	Overall Dimensions	Soil Profile	Media Volume	Empty Weight
VGM3®-06	19-5/8"W x 22"H x 6"D	4"	0.85 cu. ft.	6 lbs.
VGM3®-10	19-5/8"W x 22"H x 10"D	8"	1.63 cu. ft.	7 lbs

Tournesol VGM3® Mounting Brackets



Four support brackets are required to attach each module to the rail system. Two right brackets and two left brackets can quickly and easily be attached once the plants are grown in. Mounting brackets are black powder coated stainless steel material.

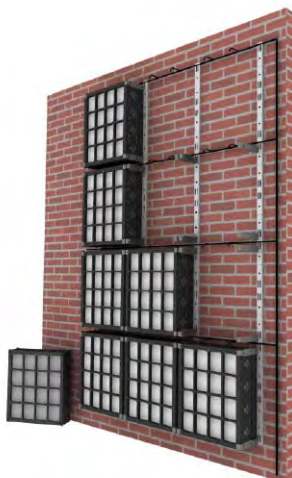
Part No.	Description
VGMB-06R & VGMB-06L	Two of each required to mount each VGM3®-06
VGMB-10R & VGMB-10L	Two of each required to mount each VGM3®-10

Tournesol VGM® Mounting Rails



Rails are in unfinished stainless steel. New third generation rails may be used at the end of rows or at the center. Each rail is attached with ½" bolts (not included)

Part No.	Description	Dimensions
VGMR-1	Mounting rail for one row of modules	23-1/2"L x 1-1/2"W x 5/8"D
VGMR-2	Mounting rail for two rows of modules	47-1/4"L x 1-1/2"W x 5/8"D
VGMR-3	Mounting rail for three rows of modules	70-7/8"L x 1-1/2"W x 5/8"D



For taller installations, multiple rails are simply fastened one above the other on the wall. The module brackets are held to the rails by simple gravity, so may be removed at any time without disturbing other boxes.

Tournesol Siteworks can offer full design and support services as required. Our registered landscape architect has experience in a wide variety of applications, and understands the nuances of the VGM3 system. To discuss design of your specific application, call us at **800-542-2282**.

Tournesol VGM3® Media Block



These stabilized media blocks are engineered to be the perfect complement to the VGM modular living wall system. The organic base material creates a sponge-like block that fits perfectly into a VGM module. The polymer blend eliminates the need for a media bag, holds together in inclement weather, and won't fall out the face of the module.

Each block weighs approx. 3 lbs when dry and holds up to five times its weight in water. When saturated the media is still lighter by 25% than nearly any other engineered soil mix. The media is designed to provide an optimal balance of moisture and aeration to the roots of the plants, ensuring fast grow-in, consistent irrigation, laterally-developing root systems, and maximum cation exchange rates. Enhanced with several natural biological and disease-preventing additives, the block will support plant growth for years.

Part No.	Description	Dimensions	Weight - Dry	Weight - Saturated
VGM3-MB4	Stabilized media block for VGM modules. 2 per VGM3-06, 4 per VGM3-10	20.5" L x 9"W x 4" H	3 lbs. each	16 lbs. each

Specifying VGM3®

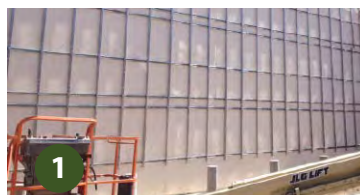
Soil: Tournesol Siteworks recommends a lightweight, highly inorganic planting media, similar to those used in greenroof applications. Ideally organic components should comprise no more than 10% of the mix by volume, and the media should achieve a saturated weight of no more than 50 lbs per cubic foot. Typical inorganic components will include expanded slate or shale, pumice, perlite, or vermiculite.

Irrigation: Automatic irrigation with integrated fertilization is critical to any successful installation. Irrigation is typically handled by a local contractor, using conventional drip components. Tournesol Siteworks is pleased to work with you on the design, and has solutions for remote wall moisture and temperature monitoring, multizone control, and internet-based control. Call for details.

Plants: Consult with a local horticulturalist when picking plants for a wall. Consideration should be given to the general horticultural conditions (the zone), the micro-conditions of the installation (temperature, sun exposure, wind), desired maintenance schedule, soil profile, and the desired look of the wall.

Layout: The Tournesol VGM3 module is held by four powder coated stainless steel brackets. The brackets are supported by slots in the rails, each of which is individually attached to the wall. Typical loads will not exceed 125 pounds per anchor. The wall should be waterproof, although there is 2-3/8" of free air circulation between the wall and the soil.

VGM3 Installation at the Fashion Valley Mall, San Diego CA.



1. The wall is prepared with a frame and rails.
2. Planting the VGM3 modules on their back.
3. After three months of grow-in, the modules are hung on the rails.
4. The finished wall. Drip irrigation is laid across the top of each row of modules.



Tournesol VGP® Tray-Based System

The living wall for residential and light commercial projects.

The VGP is a versatile, easy-to-install living wall system for residential and light commercial applications. Few living wall systems offer the versatility of the VGP living wall. At the heart of the system is the planting tray, made of 100% recycled polypropylene. When direct-planted with two 4" or one 1-gallon nursery pots, it provides a lush, rich-looking living wall at a price significantly lower than our commercially-oriented VGM modular living wall.

The trays may be hung on a plastic VGP mounting panel, commercially-available 2" x 3" welded mesh or wire, or along rods or stainless steel rope. Each tray incorporates an anti-lift arm to prevent unwanted removal, but requires no other bolts or clips. Trays are hung at either 6" or 9" intervals, depending on the plant size and the project budget.

The VGP tray is designed with overflow drain from a sub-irrigation reservoir, so the pots will cascade drain to a central point. Add a wick and the reservoir will provide optimal water use. The generously-sized pot will allow for long term growing, and easy replacement or change-out as desired.



Part No.	Overall Part Size	Nominal Part Size	Description	Empty Weight
VGP-01	7-5/8"W x 8-1/8"H x 7-1/2"D	7-7/8"W x 6"H x 7-5/8"D	Planting Tray, black recycled polypropylene. Planting volume 110 cu. in. or .47 gal.	1 lb.
VGP-1636	16-1/2"W x 36-3/8"H x 7/8"D	15-3/4"W x 35-1/2"H x 7/8"D	Mounting Panel, black recycled polypropylene. Fits 12 pots (close spacing) or 8 pots (expanded spacing).	2 lbs.

Specifying VGP®

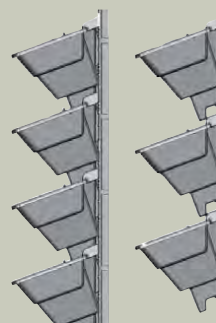
Approximate Planting Weight:

Close Spacing (2 trays psf) - 19 lbs/sq. ft, Extended Spacing (1.5 trays psf) - 12.7 lbs/sq. ft

Irrigation lines can be run between the trays, attached to the mounting panel or the 2"x3" mesh. Individual irrigation lines run to the back of each tray. The bottom of the tray serves as a sub-irrigation reservoir. Overflow drains to the tray below, behind the baffle plate. Alternately, drain plugs are available if required. Exterior applications will typically use flats or plugs directly planted into the tray.



Planting tray mounts to panel, rope wire or mesh.



*Close spacing:
approx. 6",
Trays overlap.*

*Extended spacing:
approx. 9",
1.5" between
trays.*





TerraScreen® Interior Greenwall System

Minimal maintenance for an intimate living wall.

TerraScreen is a simple, cost-effective and maintenance-friendly interior living wall system. The simplicity of TerraScreen lies in the use of 6" plants in their nursery pots, which are supported by a light, easy-to-mount support system. It creates a wall that is instantly lush, yet easy to refresh and maintain. The plants are contained within individual cache pots, so water won't run off onto the wall.

The black steel wire support panels, with integral wall brackets, disappear behind the plants. Multiple panels may be mounted next to one another to cover larger areas. The TerraScreen system, originally developed by an interior landscaper for ease of maintenance, is available with accessories including optional irrigation, stands, side panels, and catch troughs.

Interior Greenwall Panels

TerraScreen® panels are made of galvanized, powder-coated 1/4" dia. wire. Each panel comes complete with the corresponding number of no-hole cache pots and wire cachepot hangers. Irrigation systems come completely assembled with felt sub-irrigation wicks.



Model No.	Overall Dimensions	Description	No. of Plants	Empty Weight
TW-4949	49"H x 49"W x 4-5/8"D	No Irrigation	25	25 lbs.
TW-4949-MD	49"H x 49"W x 4-5/8"D	Hose or Water Cart Irrigation	25	25 lbs.
TW-4949-AD	49"H x 49"W x 4-5/8"D	Automatic Irrigation Connection	25	25 lbs.
TW-7049	70"H x 49"W x 4-5/8"D	No Irrigation	35	30 lbs.
TW-7049-MD	70"H x 49"W x 4-5/8"D	Hose or Water Cart Irrigation	35	30 lbs.
TW-7049-AD	70"H x 49"W x 4-5/8"D	Automatic Irrigation Connection	35	30 lbs.

TerraScreen® Accessories

TerraScreen accessories may be used to add more plants to either panel size, or to add to the installation. The side covers should be used to hide the frame structure and pots when viewed from the side.

Model No.	Dimensions	Description
TW-PTSL	6.5" dia. x 6.25" h	Black No-hole Cachepot
TW-HGR		Black wire cachepot hanger
WR-481218	48"L x 12"W x 18"H	Black Wilshire-style FRP catch basin
TWS-49	49"L x 6"W	Black sheet-metal side cover for 49" units, includes mounting bolts
TWS-70	70"L x 6"W	Black sheet-metal side cover for 70" units, includes mounting bolts
TW-Stand-S	66"H x 30"W x 24"D	Offset leg allows for either short or tall panel to be hung on one side of stand
TW-Stand-D	66"H x 30"W x 24"D	Centered leg allows for either short or tall panel to be hung on both sides of stand



Specifying TerraScreen®

Mounting & Installation Information: The TerraScreen® is mounted to a wall or frame with four simple brackets. While the TerraScreen® stands less than 5" from the wall, with plants it will extend 15". Anchors and ¼" mounting bolts are not included. Each anchor will need to support 50lbs. The wall behind a TerraScreen® should be waterproofed and painted black to help hide gaps between plants. We also recommend use of a catch basin below the system, especially for interior applications. When hanging multiple TerraScreen® panels, the spacing of the cachepots may need to be adjusted to maintain consistency. Signage can be incorporated into the TerraScreen® with hooks or more permanent bolts and nuts.

Plants: The TerraScreen® system uses a cachepot that is 6.5" dia x 6.25"H, which will fit most 6" and 1-gal plants. A foliage canopy of 14"-16" for each plant is recommended for good coverage of the frame. The plants, in their nursery pots, are slid into the cachepot. Replacement may be done as easily, by pulling the plant and nursery pot out of the cachepot. Plants may also be rotated, as needed. After some time, especially in exterior conditions, the plants will become rootbound, and may see a decline in their health.

Irrigation: The irrigation system on a TerraScreen® panel can be filled with a hose, pressurized water tank, or directly from a plumbed irrigation line. The connection for a water tank is a male garden hose thread, which may be changed to a female thread for a standard garden hose. The automatic connection is a ½" ID/¾" OD braided PVC hose. The system uses 2 GPH pressure-compensating multi-port drip emitters, which deliver ½ cup of water per minute to the cachepots. The grower pots frequently do not reach down to the cachepot water line, so a set of felt wicks are delivered with each panel. The felt wick is pushed through a hole in the bottom of the nursery pot, and faced forward in the cachepot.





VertiGreen® Hybrid 3-D Trellis Panels

Living wall coverage for the price of a trellis.

By integrating a VGM® plant growing module into the VertiGreen® 3-D rigid trellis, a living wall can be pre-grown and placed anywhere at a price closer to that of a simple trellis. Most designers calculate that it takes a minimum of 3-5 years for plants to cover a 10' trellis, and in many cases the wall never achieves full coverage. The Hybrid system fills in relatively quickly because it only requires vines & climbers to cover 1' in any direction.

The VertiGreen® Hybrid consists of a recycled plastic plant growing module (VGM), set into a double-panel trellis system. The plants are grown in the module (either on its own or pre-installed in the trellis), and hung on the wall once the plants are rooted in. No separate planter or container is required, so it can be easily used in areas distant from the ground or another planter. The trellis system mounts to the wall with a simple bracket, like the original VertiGreen® trellis. Either the plant growing module or the entire panel can be quickly removed for maintenance. The VGM® plant growing module has no internal baffles or separations, allowing the roots to fully develop and grow. With either 4" or 8" of soil volume, there isn't a better living wall module on the market.

The double-panel trellis nurtures climbing plants and vines while it protects the underlying structure. Distance between the front and back panels is 3", and the grid size is 6" (others available upon request). The commercial-grade panels are plated with zinc prior to powder coating to resist rust and corrosion, ensuring the trellis looks good for the life of the building.

VertiGreen® Hybrid 3-D Trellis Panels

VertiGreen® Hybrid 3D trellis panels are made of zinc-coated, powder-coated 0.316 wire in pitch (black) color. VGM modules are made of recycled Polypropylene, and include a heavy-duty non-woven soil retention bag. 6" modules contain .85 cubic feet of soil, and 10" modules contain 1.63 cubic feet. Module bolts are stainless. Wall-mount hardware is not included in VTGB pricing. Consult with an engineer to verify suitability of wall and local codes.

Part No.	Size	Description	Weight
VH06-1-4848	48"H x 48"W x 3"D	3-D Trellis with one 6" plant growing module	22 lbs. empty. .85 cubic feet soil capacity
VH10-1-4848	48"H x 48"W x 3"D	3-D Trellis with one 10" plant growing module	23 lbs. empty. 1.63 cubic feet soil capacity
VTGB-3	6"L x 3"W	3" bracket for VH06, 4 required per 48" x 48" panel	.75 lbs.
VTGB-9	12"L x 3"W	9" bracket for VH10, 4 required per 48" x 48" panel	1.25 lbs.
VTGP-3	4.5"L x 3"W	Post bracket for VH06 or VH10, for use with 3" round or square post. 8 required per 48" x 48" panel.	.25 lbs.

Irrigation: The VertiGreen® Hybrid irrigation system is designed to make installation fast, easy, and simple. It consists of an irrigation lateral pre-mounted to the trellis panel, which can be plugged to the adjacent panel in the field once the panels are hung. Two drip irrigation emitters feed 1GPH to each Tournesol VGM module. The overall system will require a timer, pressure reducer, filter, fertilizer injection system, and will typically be fed by a main line running along the bottom or side of the panels. Tournesol Siteworks can provide help with the details, although it is recommended that an irrigation professional review designs to ensure compatibility with location and code requirements. Contact your salesperson for details.

LEFT

Benson Towers, New Orleans, LA.

Design: Eskew + Dumez + Ripple

VertiGreen® 3D Trellis System

Clean, Simple, Elegant.

Tournesol Siteworks makes commercial trellis easy with its VertiGreen 3D Trellis System. Available in a variety of grid sizes, the 3-dimensional trellis will support and protect robust foliage growth, whether attached to a planter, wall, or hung between posts as a green fence..

VertiGreen® is easy to attach, durable (made with an extra coating of zinc prior to powder coating), and protects the underlying structure while it supports climbing plants and vines. We manufacture the trellis in a 3" and 6" grid, with connection brackets on the side to attach panels to one another. Mounting is made easy with fixed wall mount brackets (from close to 12"), post mount brackets, and planter brackets which tie the trellis seamlessly to our popular Wilshire Rectangular planters (see Wilshire Screen on page 35).



ABOVE

Rivers Casino, Des Plaines, IL.

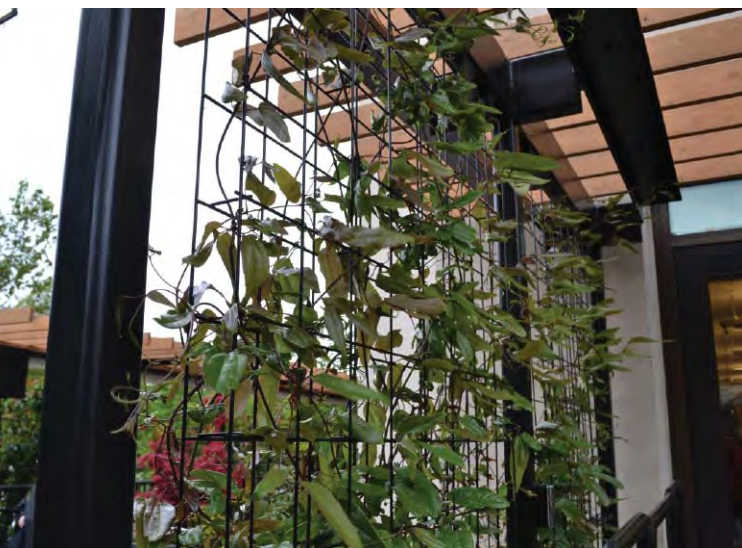
VTG6-4848 in silver powdercoat.

Design: Walker Parking, Laughlin Associates

VertiGreen® 3D Trellis Panels

VertiGreen panels are zinc-coated, powder-coated recycled steel wire in various thicknesses. Each panel incorporates four connection brackets to create 8', 10', and 12' panels at the job site. Customized configurations are available – speak with your salesperson for details.

Part No.	Size	Description	Weight
VTG3-4848	48"L X 48"W	3" Grid VertiGreen Panel	15 lbs
VTG3-7248	72"H x 48"W	3" Grid VertiGreen Panel	22 lbs.
VTG6-4848	48"L X 48"W	6" Grid VertiGreen Panel	18 lbs.
VTG6-7248	72"H x 48"W	6" Grid VertiGreen Panel	26 lbs.



VertiGreen® 3D Brackets

VertiGreen brackets measure the distance from the back of the panel to the wall. All brackets are made of 10ga. zinc-coated, powder coated steel. Other materials & configurations are available.

Part No.	Description	Extras
VTGS	Planter Bracket, mounts to side of Wilshire Collection planter, or other flat container	Includes all mounting hardware
VTGB-0	Close VertiGreen Wall Bracket	Includes mounting pad
VTGB-3	3" VertiGreen Wall Bracket	includes mounting pad
VTGB-6	6" VertiGreen Wall Bracket	includes mounting pad
VTGB-9	9" VertiGreen Wall Bracket	Includes mounting pad
VTGB-12	12" VertiGreen Wall Bracket	includes mounting pad
VTGP-3	VertiGreen Post Bracket for 3" posts	

ABOVE LEFT AND RIGHT

MS Patio at Swedish Medical Center, Cherry Hill, WA.

VTG3 and VTG6 panels.

Design: Callison



GRT Modular Green Roof Tray

Modular greenroofs don't have to be complicated!

Tournesol Siteworks offers a simple, durable tray that can be used with any type of greenroof-type engineered soil in nearly any modular greenroof application. Modular trays are ideal for retro-fit applications, and small- to medium- size installations. Trays allow plants and soil to be shifted or moved from time to time, especially for roof maintenance or repair.

Tournesol Siteworks uses high density polyethylene to create a flangeless tray that will last the life of the project. The units feature a ½" storm water retention layer, and corner drain holes leading to 1" drain channels below. GRT3 (third generation) trays are rotationally molded in black HDPE with additional UV stabilizers, GRT2 (second generation) are thermoformed to similar specifications. Use the 4" deep tray for extensive, the 8" for intensive green roof applications.

GRT3 Modular Greenroof Trays

Recycled high-density polyethylene flangeless trays feature 1/2" storm water retention layer and non-woven filter barrier.

Part. No.	Size	Description	Empty Weight
GRT3-242404	24"L x 24"W x 4"H	Black Extensive Greenroof Tray	4 lbs.
GRT3-242408	24"L x 24"W x 8"H	Black Intensive Greenroof Tray	5 lbs.
GRT2-482404	48"L x 24"W x 4"H	Black Extensive Greenroof Tray	8 lbs.
GRT2-482408	48"L x 24"W x 8"H	Black Intensive Greenroof Tray	10 lbs.



Warning: While Tournesol Siteworks can recommend irrigation and engineered soil specifications, we don't recommend putting a green roof on a building that has not been inspected and evaluated by a structural engineer.



LEFT

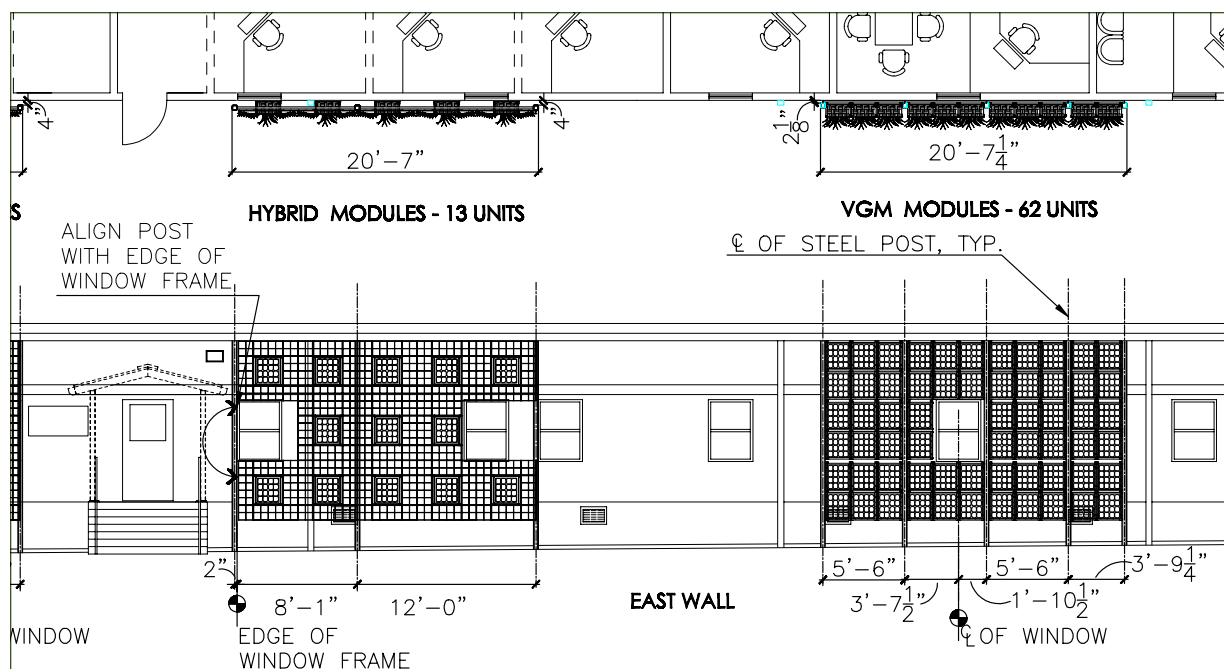
The Alto Greenroof, Vancouver, British Columbia, Canada.
Design and Photo: Durance Kreuk, Ltd.
Installation: T. Moscone & Bros. Landscaping

ABOVE

St. Luke's Hospital, Boise, ID.
The design combines a modular green roof with a patio, outlined with our self-watering plants.
Design: South Landscape Architects

Living Wall Design Services

Tournesol Siteworks has been working hand-in-hand with designers for most of our 30-year history. While many specifiers choose to design their own living wall applications, we can offer the design consulting services required to make your next greenwall a reality. Feel free to pick and choose from the services below to suit the needs of your project.



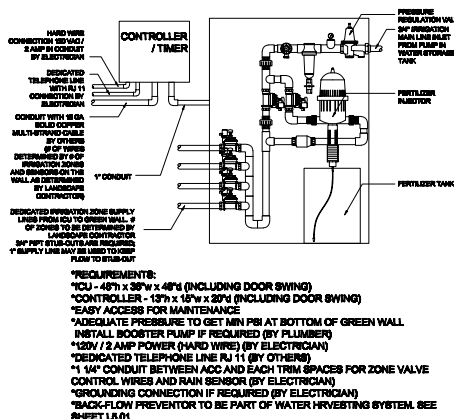
Design and Plant Selection

Our registered landscape architect has experience evaluating the building envelope, horticultural microclimates, and working with your design parameters to determine the optimal wall layout. Once established, we consult with local nurseries, contractors and horticulturalists to find out about soil and plant availability and suitability, then work them into the design as required.

Irrigation, Drainage and Fertilization

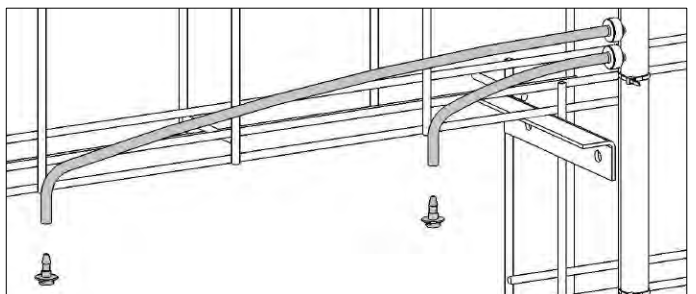
A key to the success of any green wall design is how it stays alive. We partner with Baseline Systems (baselinesystems.com) to apply the most advanced irrigation moisture sensors and controllers on the market when needed. The remote moisture and temperature sensing, combined with internet monitoring and control, allow for complete confidence in the long-term success of a wall.

ICU-IRRIGATION CONTROL UNIT



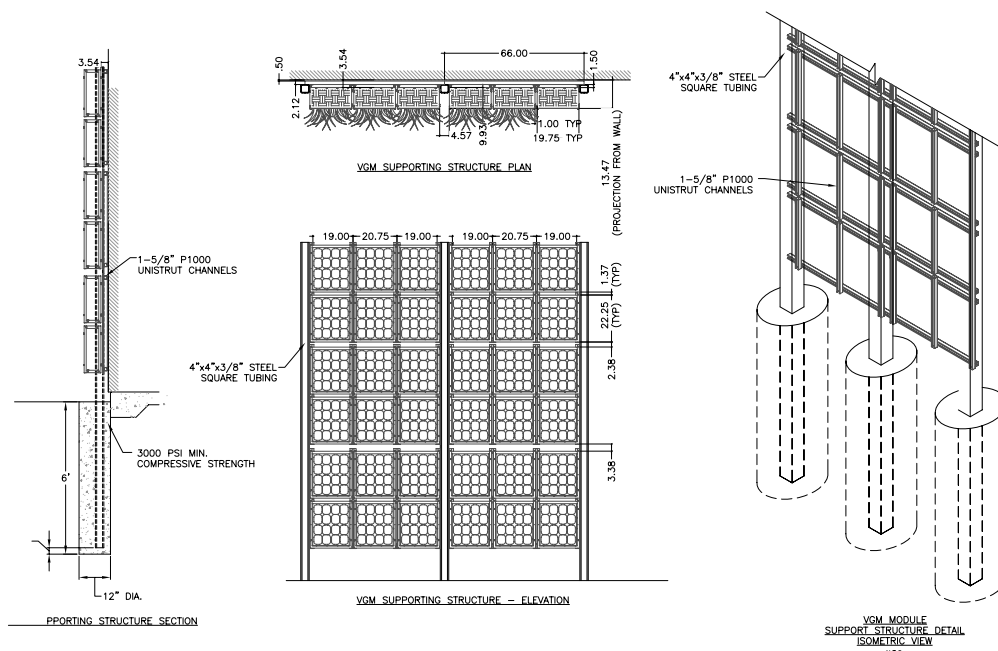
IRRIGATION NOTES

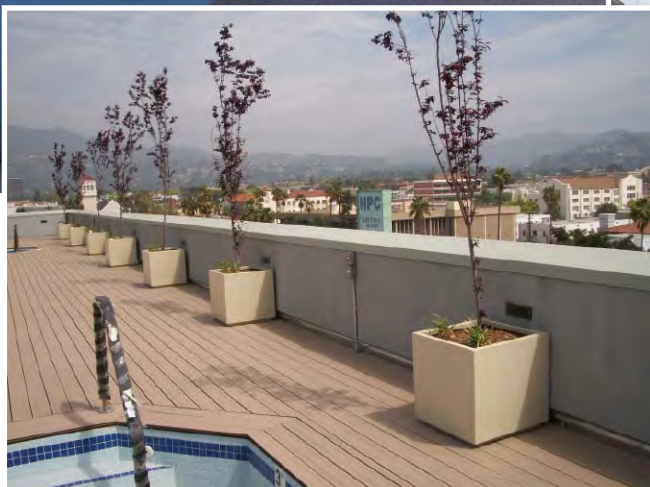
- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE CONTRACTOR IS AFFECTING ALL OF THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN EVENT OF FIELD DIFFERENCES, THE CONTRACTOR IS REQUIRED TO PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION TO THE OWNER. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY AND COORDINATE IRRIGATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, ETC., BEFORE PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REQUIRED REVISIONS.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT AND WIND EXPOSURES.
- AT THE END OF THE REQUIRED MAINTENANCE PERIOD OF THE CONTRACTOR, THE OWNER SHALL PROVIDE REGULAR MAINTENANCE. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT.
- 120 VOLT A.C. (2.5 AMP DEMAND) ELECTRICAL SERVICE TO IRRIGATION CONTROLLER LOCATION TO BE PROVIDED UNDER EXISTING CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER AND PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S REQUIREMENTS.



Construction, Installation, and Maintenance

While not typically part of Tournesol's traditional offering, we have been called to play a larger role in the construction management in certain cases. If you feel that our expertise would be useful in your next project, feel free to give us a call to discuss further!







Container Irrigation Systems

Nothing happens on earth without water. While conservation is common today, that hasn't always been the case. Water-sensitivity is at the core of what Tournesol Siteworks has always been about. We've been offering water-efficient container irrigation products for more than 30 years. So efficient, in fact, that our self-watering container irrigation system has earned the Australian Smart Watermark, presented to a few top products that can prove water savings over time.

But that's not the only reason to consider container irrigation. Maintaining pots is difficult - hand-watering is labor intensive, and it isn't practical to run automatic irrigation to every plant. Our unique water sensor system combines water efficiency with labor efficiency. That's where Tournesol Siteworks container irrigation systems fit - between landscape and architecture..

Pasadena Towers, Pasadena, CA.
Design: Melendrez Design Partners

OPPOSITE LEFT
Broadway Lofts, Glendale, CA.
Design: David Reed Landscape Architects

OPPOSITE RIGHT
Pasadena Towers, Pasadena, CA.
Design: Melendrez Design Partners

CWM Modular Irrigation Systems

Self-watering modules in nearly any size or configuration.



CWM Modular™ is a versatile self-watering container irrigation system designed for use in any large planter. The individual reservoir modules can either be used on their own or linked together and buried in a pot. The manual-fill system holds a generous amount of water, and uses Tournesol Siteworks' proprietary vacuum-sensor system to precisely monitor the soil moisture level in the pot. It dispenses exactly the amount of water required, and typically can go 4X longer between refilling than if the plant were watered by hand. The CWM system is barely noticed in the container, and will not interfere with lighting, electrical connections, and requires no plumbing. See technical information on p. 94 for instructions on system sizing.

Round-back Systems

Part No.	Description	Height	Depth	Water Capacity	Size Range
CWM-1109-MS	Small 11" curve-back solo	9"	7.5"	.8 gal	12" +
CWM-1109-2k	2 small 11" curve-back	9"	7.5"	1.6 gal	16" – 22"
CWM-1109-3k	3 small 11" curve-back	9"	7.5"	2.4 gal	22" – 26"
CWM-1109-4k	4 small 11" curve-back	9"	7.5"	3.2 gal	26" – 30"
CWM-1114-MS	Small 11" curve-back solo	14"	7.5"	1.2 gal	12" +
CWM-1114-2k	2 small 11" curve-back	14"	7.5"	2.4 gal	16" – 22"
CWM-1114-3k	3 small 11" curve-back	14"	7.5"	3.6 gal	22" – 26"
CWM-1114-4k	4 small 11" curve-back	14"	7.5"	4.8 gal	26" – 30"
CWM-1120-MS	Small 11" curve-back solo	20"	7.5"	1.8 gal	12" +
CWM-1120-2k	2 small 11" curve-back	20"	7.5"	3.6 gal	16" – 22"
CWM-1120-3k	3 small 11" curve-back	20"	7.5"	5.4 gal	22" – 26"
CWM-1120-4k	4 small 11" curve-back	20"	7.5"	7.2 gal	26" – 30"
CWM-1714-MS	Medium 17" curve-back solo	14"	10.9"	3 gal	20" +
CWM-1714-2k	2 medium 17" curve-back	14"	10.9"	6 gal	26" – 32"
CWM-1714-3k	3 medium 17" curve-back	14"	10.9"	9 gal	32" – 36"
CWM-1714-4k	4 medium 17" curve-back	14"	10.9"	12 gal	36" – 42"
CWM-1714-5k	5 medium 17" curve-back	14"	10.9"	18 gal	42" – 48"
CWM-1720-MS	Medium 17" curve-back solo	20"	11.6"	4.2 gal	20" +
CWM-1720-2k	2 medium 17" curve-back	20"	11.6"	8.5 gal	26" – 32"
CWM-1720-3k	3 medium 17" curve-back	20"	11.6"	12.7 gal	32" – 36"
CWM-1720-4k	4 medium 17" curve-back	20"	11.6"	17 gal	36" – 42"
CWM-1720-5k	5 medium 17" curve-back	20"	11.6"	21.2 gal	42" – 48"
CWM-2914-MS	Large 29" curve-back solo	14"	18.5"	7.5 gal	34" +
CWM-2914-2k	2 large 29" curve-back	14"	18.5"	15 gal	42" – 48"
CWM-2914-3k	3 large 29" curve-back	14"	18.5"	22.5 gal	48" – 54"
CWM-2914-4k	4 large 29" curve-back	14"	18.5"	30 gal	54" – 64"
CWM-2914-5k	5 large 29" curve-back	14"	18.5"	37.5 gal	64" – 76"
CWM-2914-5kE	5 large 29" curve-back & extension	14"	18.5"	38.5 gal	76" +
CWM-2920-MS	Large 29" curve-back solo	20"	18.5"	9.75 gal	34" +
CWM-2920-2k	2 large 29" curve-back	20"	18.5"	19.5 gal	42" – 48"
CWM-2920-3k	3 large 29" curve-back	20"	18.5"	29.25 gal	48" – 54"
CWM-2920-4k	4 large 29" curve-back	20"	18.5"	39 gal	54" – 64"
CWM-2920-5k	5 large 29" curve-back	20"	18.5"	48.75 gal	64" – 76"
CWM-2920-5kE	5 large 29" curve-back & ext.	20"	18.5"	50.75 gal	76" +

Square-back Systems

CWM-R1109-MS	Small 11" square-back solo	9"	8.75"	1.3 gal	12" +
CWM-R1109-2k	2 small 11" square-back	9"	8.75"	2.6 gal	20" – 24"
CWM-R1109-3k	3 small 11" square-back	9"	8.75"	3.9 gal	24" – 28"
CWM-R1109-4k	4 small 11" square-back	9"	8.75"	5.2 gal	28" – 32"

Part No.	Description	Height	Depth	Water Capacity	Size Range
CWM-R1114-MS	Small 11" square-back solo	14"	8.75"	1.8 gal	12" +
CWM-R1114-2k	2 small 11" square-back	14"	8.75"	3.6 gal	20" – 24"
CWM-R1114-3k	3 small 11" square-back	14"	8.75"	5.4 gal	24" – 28"
CWM-R1114-4k	4 small 11" square-back	14"	8.75"	7.2 gal	28" – 32"
CWM-R1120-MS	Small 11" square-back solo	20"	8.75"	2.5 gal	12" +
CWM-R1120-2k	2 small 11" square-back	20"	8.75"	5.0 gal	20" – 24"
CWM-R1120-3k	3 small 11" square-back	20"	8.75"	7.5 gal	24" – 28"
CWM-R1120-4k	4 small 11" square-back	20"	8.75"	10 gal	28" – 32"
CWM-R1614-MS	Medium 16" square-back solo	14"	12.8"	3.25 gal	20" +
CWM-R1614-2k	2 medium 16" square-back	14"	12.8"	6.5 gal	30" – 36"
CWM-R1614-3k	3 medium 16" square-back	14"	12.8"	9.75 gal	36" – 40"
CWM-R1614-4k	4 medium 16" square-back	14"	12.8"	13 gal	40" – 48"
CWM-R1614-5k	5 medium 16" square-back	14"	12.8"	16.25 gal	48" – 54"
CWM-R1620-MS	Medium 16" square-back solo	20"	12.8"	4.5 gal	20" +
CWM-R1620-2k	2 medium 16" square-back	20"	12.8"	9 gal	30" – 36"
CWM-R1620-3k	3 medium 16" square-back	20"	12.8"	13.5 gal	36" – 40"
CWM-R1620-4k	4 medium 16" square-back	20"	12.8"	18 gal	40" – 48"
CWM-R1620-5k	5 medium 16" square-back	20"	12.8"	22.25 gal	48" – 54"
CWM-R2014-MS	Medium 20" square-back solo	14"	12.9"	4.5 gal	24" +
CWM-R2014-2k	2 medium 20" square-back	14"	12.9"	9 gal	32" – 38"
CWM-R2014-3k	3 medium 20" square-back	14"	12.9"	13.5 gal	38" – 46"
CWM-R2014-4k	4 medium 20" square-back	14"	12.9"	18 gal	44" – 52"
CWM-R2014-5k	5 medium 20" square-back	14"	12.9"	22.5 gal	52" – 58"
CWM-R2020-MS	Medium 20" square-back solo	20"	12.9"	5.75 gal	24" +
CWM-R2020-2k	2 medium 20" square-back	20"	12.9"	11.5 gal	32" – 38"
CWM-R2020-3k	3 medium 20" square-back	20"	12.9"	17.25 gal	38" – 46"
CWM-R2020-4k	4 medium 20" square-back	20"	12.9"	23 gal	44" – 52"
CWM-R2020-5k	5 medium 20" square-back	20"	12.9"	28.75 gal	52" – 58"
CWM-R2914-MS	Large 29" square-back solo	14"	18.5"	8.5 gal	32" +
CWM-R2914-2k	2 large 29" square-back	14"	18.5"	17 gal	42" – 48"
CWM-R2914-3k	3 large 29" square-back	14"	18.5"	25.5 gal	48" – 56"
CWM-R2914-4k	4 large 29" square-back	14"	18.5"	34 gal	56" – 66"
CWM-R2914-5k	5 large 29" square-back	14"	18.5"	42.5 gal	66" – 74"
CWM-R2914-5kE	5 large 29" square-back & ext.	14"	18.5"	44.5 gal	74" +
CWM-R2920-MS	Large 29" square-back solo	20"	18.5"	10.4 gal	32" +
CWM-R2920-2k	2 large 29" square-back	20"	18.5"	20.8 gal	42" – 48"
CWM-R2920-3k	3 large 29" square-back	20"	18.5"	31.2 gal	48" – 56"
CWM-R2920-4k	4 large 29" square-back	20"	18.5"	41.6 gal	56" – 66"
CWM-R2920-5k	5 large 29" square-back	20"	18.5"	52 gal	66" – 74"



CWI™ Irrigation Systems

Self-watering inserts for small to medium size containers.



CWI™ is the water-efficient container irrigation insert designed to be dropped into most cylindrical and slightly tapered small and medium-size containers. The double-wall insert features an overflow drain for exterior use or is completely self-contained for interior use (no leaks on floors!). The manual-fill reservoir holds a generous amount of water, and uses Tournesol Siteworks' proprietary vacuum-sensor system to precisely monitor the soil moisture level in the pot. It dispenses exactly the amount of water required, and typically can go 4X longer between refilling than if the plant were watered by hand. The plant benefits by the system holding a consistent balance of moisture and oxygen at the root level at all times. The CWI is lightweight and durable, and facilitates quick and clean change-outs should a plant need to be replaced.

For Interior Applications

Part No.	Shape	Description	Size	Interior Size	Water Capacity	Size Range
CWI-750	Cylindrical	CWI Interior	8.75"dia x 6"H	7"dia x 5.5"H	2 pints	9" – 11.5"
CWI-800	Cylindrical	CWI Interior	9.1"dia x 7.5"H	7.5"dia x 6.5"H	.6 gal	9.5" – 11.5"
CWI-1000	Cylindrical	CWI Interior	11.25"dia x 10"H	9.5"dia x 8.75"H	1 gal	11.5" – 12.75"
CWI-1200	Cylindrical	CWI Interior	12.5"dia x 11.25"H	11"dia x 9.5"H	1.5 gal	12.75" – 16"
CWI-1400	Cylindrical	CWI Interior	15.75"dia x 14"H	14"dia x 12.75"H	2 gal	16" – 18.25"
CWI-1650	Cylindrical	CWI Interior	18"dia x 16.75"H	16"dia x 15.25"H	4 gal	18.25" – 23.5"
CWI-1700	Cylindrical	CWI Interior	18.25"dia x 18.5"H	17"dia x 17"H	4.5 gal	18.5" – 23.5"
CWI-2200	Cylindrical	CWI Interior	23.75"dia x 19.75"H	21.25"dia x 18"H	8 gal	24"+



For Exterior Applications

Part No.	Shape	Description	Size	Interior Size	Water Capacity	Size Range
CWI-750-X	Cylindrical	CWI Exterior	8.75"dia x 6"H	7"dia x 5.5"	2 pints	9" – 11.5"
CWI-800-X	Cylindrical	CWI Exterior	9.1"dia x 7.5"H	7.5"dia x 6.5"H	.6 gal	9.5" – 11.5"
CWI-1000-X	Cylindrical	CWI Exterior	11.25"dia x 10"H	9.5"dia x 8.75"H	1 gal	11.5" – 12.75"
CWI-1200-X	Cylindrical	CWI Exterior	12.5"dia x 11.25"H	11"dia x 9.5"H	1.5 gal	12.75" – 16"
CWI-1400-X	Cylindrical	CWI Exterior	15.75"dia x 14"H	14"dia x 12.75"H	2 gal	16" – 18.25"
CWI-1650-X	Cylindrical	CWI Exterior	18"dia x 16.75"H	16"dia x 15.25"H	4 gal	18.25" – 23.5"
CWI-1700-X	Cylindrical	CWI Exterior	18.25"dia x 18.5"H	17"dia x 17"H	4.5 gal	18.5" – 23.5"
CWI-2200-X	Cylindrical	CWI Exterior	23.75"dia x 19.75"H	21.25"dia x 18"H	8 gal	23.5"+



CWI Classic™ (CWC) Irrigation Systems

Larger self-watering inserts for tapering containers.

CWI Classic™ is the water-efficient container irrigation insert designed to be dropped into tapered medium and large-size containers. The double-wall insert features an overflow drain for exterior use, which may be closed with an included plug for interior use (no leaks on floors!). The manual-fill reservoir holds a generous amount of water, and uses Tournesol Siteworks' proprietary vacuum-sensor system to precisely monitor the soil moisture level in the pot. It dispenses exactly the amount of water required, and typically can go 4X longer between refilling than if the plant were watered by hand. The plant benefits by the system holding a consistent balance of moisture and oxygen at the root level at all times. The CWC is lightweight and durable, has a large fill hole for garden hoses, and can be ordered with an optional tamper-resistant stopper for high-traffic locations. The insert facilitates quick and clean change-outs should a plant need to be replaced.

Part No.	Shape	Size (top/bottom dia. x H)	Interior Size	Water Capacity	Size Range
CWC-R1100	Tapered Square	12.5"sq/10.5"sq x 13.25"H	11"sq/8"sq x 12"H	2 gal	12.75" – 17.5"
CWC-R1300	Tapered Square	15.25"sq/9.1"sq x 14.75"H	13.25"sq/8"sq x 12.75"H	2.5 gal	15.5" – 17.5"
CWC-R1500	Tapered Square	17"sq/10"sq x 17"H	15"sq/8"sq x 15"H	3 gal	17.5" – 21"
CWC-R1600	Tapered Square	18.25"sq/12.1"sq x 18.5"H	16.3"sq/13"sq x 16.5"H	4.2 gal	18.5" – 21"
CWC-R1616	Tapered Square	16"sq/12.7"sq x 11.7"H	14.5"sq/10"sq x 10"H	2 gal	15" – 17.5"
CWC-R1850	Tapered Square	20.5"sq/15.5"sq x 19"H	18.5"sq/12"sq x 17"H	5 gal	21" +
CWC-1200	Tapered Round	12.9"/8" x 11"H	11"/7" x 9.5"H	1 gal	13" – 15"
CWC-1216	Tapered Round	12"/7.5" x 16"H	10.5"/6" x 12"H	1.7 gal	12" – 15"
CWC-1300	Tapered Round	14.5"/8" x 13.5"H	13"/6.75" x 12"H	1.2 gal	15" – 17"
CWC-1400	Tapered Round	16.25"/8" x 11.25"H	14"/8" x 9.75"H	1.4 gal	16.5" – 19"
CWC-1500	Tapered Round	16.5"/10.5" x 15"H	14.5"/8.5" x 13"H	2.25 gal	17" – 18.5"
CWC-1600	Tapered Round	18"/11.5" x 17"H	15.7"/10" x 15"H	2 gal	18.5" – 21"
CWC-1800	Tapered Round	20.8"/13" x 19"H	18"/11.5" x 15"H	4 gal	21" – 24"
CWC-2100	Tapered Round	23.3"/14.5" x 21.5"H	20.6"/12" x 19.5"H	6 gal	24" – 26.5"
CWC-2400	Tapered Round	26"/15.6" x 21"H	24"/13.5" x 18.75"H	6.5 gal	26.5" – 31.5"
CWC-2500	Tapered Round	27.3"/17.5" x 25"H	25"/15" x 22.75"	7.5 gal	28" – 31.5"
CWC-2800	Tapered Round	31"/20.25" x 26"H	28.7"/19.3" x 24"	8 gal	31.5" – 35.5"
CWC-3300	Tapered Round	35"/18.6" x 27"H	32.5"/16.25" x 24"H	12 gal	35" +



Each CWC is delivered with an overflow drain plug.

CWF Flower Bowl

A self-watering irrigation solution for the most maintenance-intensive pots.

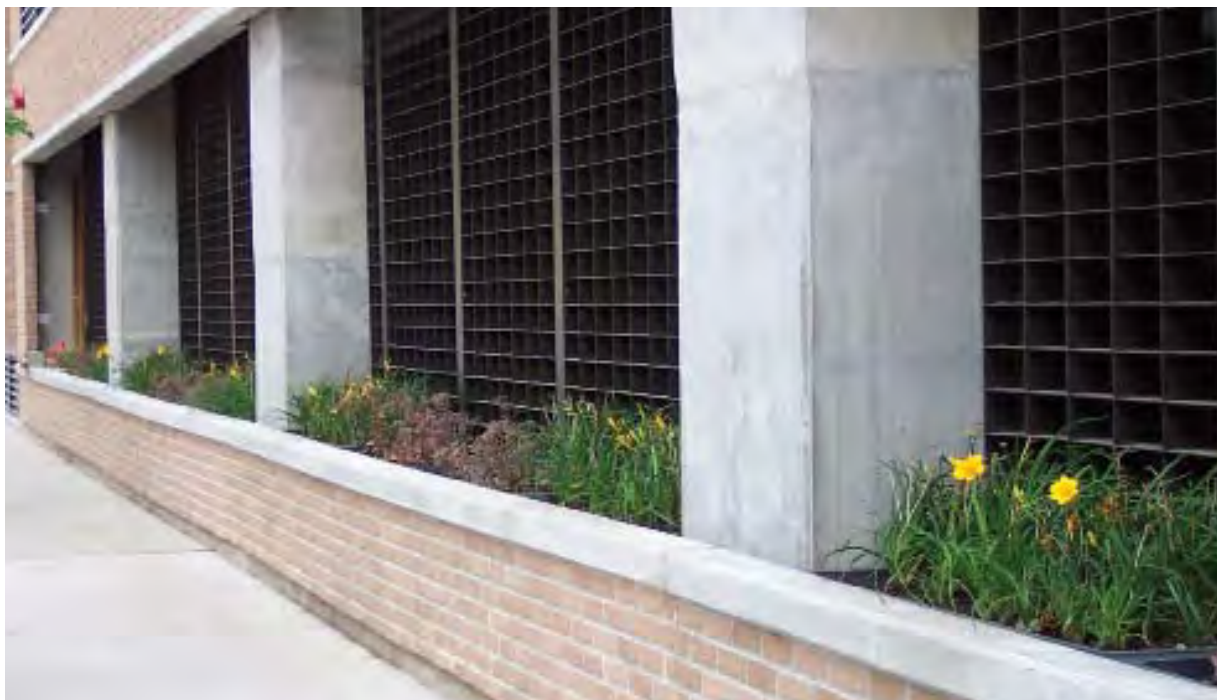
CWF is the water-efficient container irrigation insert designed to be dropped into shallow pots and flower bowls. The double-wall insert features an overflow drain for exterior use, which may be closed with an included plug for interior use (no leaks on floors!). The manual-fill reservoir holds a generous amount of water, and uses Tournesol Siteworks' proprietary vacuum-sensor system to precisely monitor the soil moisture level in the pot. It dispenses exactly the amount of water required, and typically can go 4X longer between refilling than if the plant were watered by hand. The plant benefits by the system holding a consistent balance of moisture and oxygen at the root level at all times. The CWF is lightweight and durable, has a large fill hole for garden hoses, and can be ordered with an optional tamper-resistant stopper for high-traffic locations. The insert facilitates quick and clean change-outs for flower replacements.



Part. No.	Shape	Size	Interior Size	Water Capacity	Size Range
CWF-1706	Shallow Bowl	17"dia x 6"H	15"dia x 5"H	1.1 gal	17.5" – 21.5"
CWF-2107	Shallow Bowl	21"dia x 7"H	19"dia x 6"H	2.2 gal	21.5" – 25.5"
CWF-2508	Shallow Bowl	25"dia x 8"H	23"dia x 7"H	2.8 gal	25.5" – 29.5"
CWF-2909	Shallow Bowl	29"dia x 9"H	27"dia x 8"H	4.4 gal	29.5" – 34.5"
CWF-3410	Shallow Bowl	34"dia x 10"H	32"dia x 9"H	5.6 gal	34.5"+

Each CWF is delivered with a screw-in overflow drain, and a drain plug.

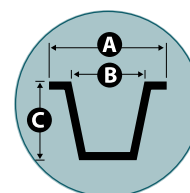




CWS Planter Liners

Self-watering container irrigation built into a wide range of leakproof rectangular inserts.

CWS Planter Liners are water-efficient container irrigation inserts combined with a leakproof rectangular planter liner. The double-wall insert features an overflow drain for exterior use, or may be ordered without a drain for interior use (great for cabinets or planter walls). The manual-fill reservoir holds a generous amount of water, and uses Tournesol Siteworks' proprietary vacuum-sensor system to precisely monitor the soil moisture level in the pot. It dispenses exactly the amount of water required, and typically can go 4X longer between refilling than if the plant were watered by hand. The plants benefit by the system holding a consistent balance of moisture and oxygen at the root level, no matter the length of the liner. For use in millwork planters, window boxes, or longer planter walls, the units are typically installed modularly end-to-end. They are manufactured in pre-consumer recycled ABS, and come in over 100 sizes. The flanges may be custom trimmed at no cost to fit each installation precisely.



Liners with Built-in Container Irrigation

Part No.	Width (A)	Planting Area (B)	Depth (C)	Nominal Lengths								
PB1-XX	8"-10"	6"	8"	24"	30"	36"	42"	48"	54"	60"	66"	
PB2-XX	11"-14"	8"	9"	24"	30"	36"	42"	48"	54"	60"	66"	
PB3-XX	15"-18"	12"	9.25"	24"	30"	36"	42"	48"	54"	60"	66"	
PB4-XX1412	13"-15"	10.25"	12"	24"	30"	36"	42"	48"	54"	60"		
PB4-XX1716	16"-20"	13"	16"	24"	30"	36"	42"	48"	54"	60"	66"	
PB4-XX2110	20"-22"	17.5"	10.5"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PB4-XX2116	20"-23"	16.25"	16"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PB4-XX2410	23"-25"	20"	10.5"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PB4-XX2517	24"-26"	20"	16.5"			36"		48"		60"		72"
PB4-XX3010	28"-32"	25"	10.5"			36"	42"	48"	54"	60"	66"	72"
PB4-XX3016	30"-32"	26.25"	16"	24"	30"	36"	42"	48"	54"	60"	66"	72"

Thermoformed unibody liners are made of 60% recycled ABS material with UV inhibitors. Dimensions shown are accurate to +/- 1/4".

AutoFill Automatic Container Irrigation

The performance of sub-irrigation without the filling.

The AutoFill reservoir offers nearly maintenance-free sub-irrigation in almost any container irrigation application. The reservoir is connected to a conventional low-pressure irrigation line or gravity-fed reservoir, and buried in a pot or planter. Each reservoir is controlled by its own patented float valve, which adjusts the water level to allow aeration in the soil, prevents irrigation overflow and evaporation. The container needs to be waterproof, have a drain line, and the entire system should work in conjunction with conventional irrigation timers, valves, pressure regulators, and filters.



Model No.	Overall Size	To fit planter with base
AF-900	9" Dia. x 2"H	9" to 20" - round or square
AF-1800	18" Dia. x 2"H	20" to 30" - round or square
AF-2700	27" Dia. x 2"H	30" to 40" - round or square
AF-3900	39" Dia. x 2"H	40" to 54" - round or square
AF-1809	18"L x 9"W x 2"H	18"-31" x 10"-15"W
AF-3009	30"L x 9"W x 2"H	31"-43" x 10"-15"W
AF-4209	42"L x 9"W x 2"H	43"-55" x 10"-15"W
AF-5409	54"L x 9"W x 2"H	55"-67" x 10"-15"W
AF-6609	66"L x 9"W x 2"H	67"-84" x 10"-15"W
AF1813	18"L x 13"W x 2"H	18"-31" x 15"-22"W
AF-3013	30"L x 13"W x 2"H	31"-43" x 15"-22"W
AF-4213	42"L x 13"W x 2"H	43"-55" x 15"-22"W
AF-5413	54"L x 13"W x 2"H	55"-67" x 15"-22"W
AF-6613	66"L x 13"W x 2"H	67"-84" x 15"-22"W
AF-3020	30"L x 20"W x 2"H	31"-43" x 22"-36"W
AF-4220	42"L x 20"W x 2"H	43"-55" x 22"-36"W
AF-5420	54"L x 20"W x 2"H	55"-67" x 22"-36"W
AF-6620	66"L x 20"W x 2"H	67"-84" x 22"-36"W



Valve Assembly



Reservoir showing water range



AutoFill Valve

Awarded the Australian Design Awards "Design Mark for Engineering Design", the AutoFill valve maintains the correct water level in the reservoir through a unique, patented float system. Unlike most float valves, which keep water at a consistent level, the AutoFill valve opens when water reaches a low point (shown dark blue), and stops when it reaches a maximum point (shown light blue). This allows for proper dry-down of the soil, and optimal plant health.

Container Irrigation **Accessories & Spare Parts**

Tournesol Siteworks stocks a complete assortment of replacement parts and accessories for the entire range of self-watering irrigation systems.

BioGuard

Over time, plants' roots in irrigation inserts will grow towards a water supply. Use BioGuard root control fabric, chemically impregnated with Trifluraline, to slow the intrusion of roots into the water reservoir. Commonly placed at the bottom of each water inlet cup, it will prevent premature maintenance on irrigation systems.

Part No.	Description	Package
BG25P	BioGuard root control squares	package of 25

Spare Parts

Like any other irrigation system, Tournesol Siteworks' container irrigation products will require replacement parts over time. Typically the sensor, grommet, and stopper for each irrigation system should be changed out every 4-6 years. See the website for more details.

Part No.	Description	Package
C-P	Replacement sensors for CWI Inserts	package of 12
L-P	Replacement sensors for CWC Inserts	package of 12
F-P	Replacement sensors for CWF Low-Bowl Inserts	package of 12
GRP	Replacement grommets (holds sensor to wall) for all inserts	package of 12
STCWIP	Replacement stoppers for CWI Inserts	package of 12
ST6,5P	Replacement stoppers for CWC, CWF, CWM products	package of 6
TSP	Tamper Resistant Stopper for CWC, CWF, CWM products	in eaches



LEFT

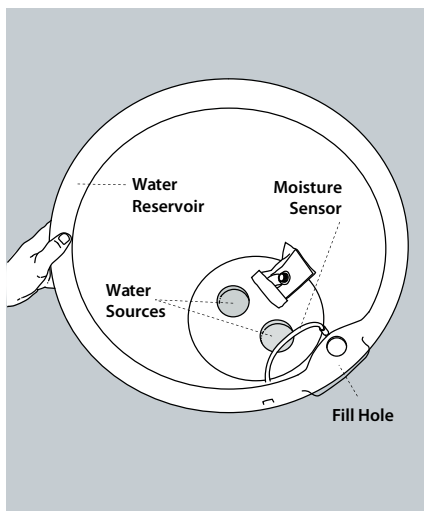
City College of San Francisco *San Francisco, Ca*

All planters in both interior and exterior locations were outfitted with CWM modular container irrigation to reduce moisture.
Design: EHDD Architects

Technical Information

The Container Irrigation Cycle Theory...

A Tournesol Siteworks container irrigation system is made up of a hollow, airtight reservoir (the double-wall in the case of inserts), a moisture sensor with a porous tip, a water source, and a fill hole with stopper or plug.



1. The reservoir is filled full through the hole at the top of the reservoir. A stopper is placed in the hole, creating an airtight seal.

2. Water flows into the soil through small holes at the bottom of each reservoir (the water source). The larger the reservoir, the more water sources there are. Thanks to the capillary action of the soil, water wicks its way up until it reaches the moisture sensor, planted at a level 1/3 to 1/2-way down the container.

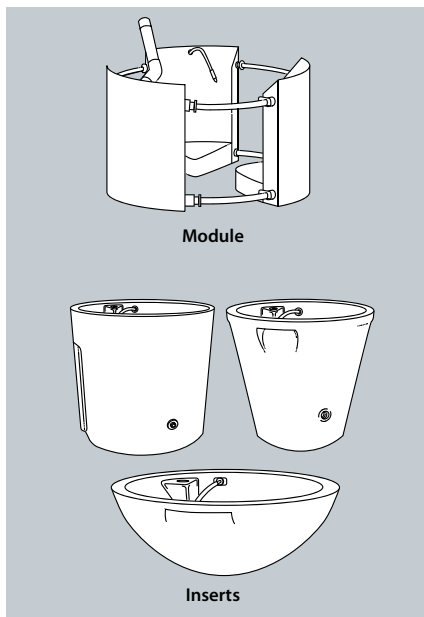
3. When moisture reaches that level, the white tip of the sensor absorbs water and closes like a valve. It prevents air from passing through the tube, and a vacuum is created above the reservoir, keeping water from flowing into the soil.

4. As the plants and flowers use the moisture and the soil starts to dry, the sensor tip dries and allows air to pass through the tube. The vacuum above the water is broken, and water can flow to the soil.

The process forms a cycle, interrupted only by the removal of the stopper and the filling of the reservoir.

The overflow drain (where present) allows excess water (typically rainwater) to escape without disrupting the cycle. See the separate drainage section for details on how this interacts in the different products.

Inserts vs. Modules



There are two types of container irrigation, Inserts (CWI, CWC, CWF) and Modules (CWM). Inserts form a self-contained pot with the water reservoir in the walls. Modules are reservoirs connected with flexible tubing, directly planted in the pot. Each has advantages, although use of one or another is often a matter of preference.

Ease of Use: Inserts are easier to use than modules. They are quicker and easier to install, and problems are easier to diagnose and fix. Plants are easier to remove and replace in inserts, too.

Drainage Control: Inserts are easier to control, because the height of the drain hole is fixed in relation to the water source. In a modular system, the height of the overflow drain must be adjusted in relation to the height of the module in the pot.

Fit & Flexibility: Because inserts are made to specific sizes, they can't fit perfectly into everything. The modules, made in different shapes, sizes, heights, can be combined in a variety of configurations to fit into nearly anything.

Visual Impact: The only visible element of the CWM is the fill pipe sticking up out of the soil. Inserts may be mulched over, but the rim of the reservoir can often be seen.

Plant Health: Plants in inserts are in a more confined soil space, but the moisture levels are typically more consistent. Modules are far less constricting to the plant, and will usually result in a longer installation before maintenance is required.

Fitting CWM Modular Systems

The CWM Modular system can fit most anything. Because it isn't visible on the surface, exact fit isn't obvious. To understand fit, you need to understand how they go together.

Types of Modules - There are five different types of modules. A solo module has both a fill tube and a moisture sensor, and is used alone. A 2-module system consists of a fill module (with a fill tube) and a sensor module (with a moisture sensor). Systems with more than 2 modules add water-holding secondary modules (no additional elements). Flat extension modules are added to extend reach into a large planter. The number of modules in a system depends on the size of the pot. Up to 5 modules can be connected together in a system, and each of the modules can have extension modules as well.

Part & System Numbers - CWM nomenclature consists of 3 parts. The first part (i.e., -1714 or R114) represents the module. R (if present) is a square-back module, the first two numbers are the width (not including barbs), the next two represent the height. The second part, which always includes k (i.e., -2k or -4k) represents the number of modules. The configuration is added as the last part.

Configurations - The modules in a system are connected in 3 configurations. The Circuit (-CRT) configuration, typical for round and square pots, connects each module to two others in a "circuit". Linear (-LIN), and Adjacent (-ADJ) configurations are used with rectangular and some square planters. In both -LIN and -ADJ configurations the modules are attached end-to-end, and plugged at either end.

Fitting Circuit configurations - Measure the internal dimensions of the pot, including the top, bottom and height. Use the "Size Range" column on the CWM chart to find a circuit (-CRT) configuration that will fit into the pot. Make sure to use a system at least 4" shorter than the inside height of the pot. These sizes assume the largest system and greatest water capacity for the pot. Using a system with fewer modules will reduce the cost, although it also stores less water for the plant.

Fitting Rectangles - Measure the interior width, length and height of the planter. Choose a module with a depth 1" or less than the width of the pot. Add 6" to the module width (i.e. a CWM-R1614 module takes 22" of space), and determine how many times it will go into the interior length. For example, a 48" planter may have an interior length of 46". Two CWM-R1614 modules (22" x 2 = 44") will fit into that planter.

Using Adjacent configurations - ADJ systems are used get larger modules into smaller square containers. They are always two module systems, set on adjacent walls of a square. Use the same rules as fitting rectangles.

Staging CWM systems & Adjusting Drainage - The water source of the module should be 6"-9" below the main plant's root ball. If the CWM needs to be staged up, the overflow drainage adapter will need to be extended (see the section on drainage). The overflow drainage adapter needs to be cemented over the drain hole(s), so watch that this doesn't interfere with the location of the system.

Very large planters - Use multiple CWM systems, set along the wall, with extension modules reaching to the center to achieve proper coverage. The moisture will extend 18" from each water source. The soil will only raise water up to 30" above the water source. A CWM system 42" below the soil (to maintain a 36" box tree, for example) won't water underplantings properly. Fill in with smaller, shorter CWM modules specifically placed for the shallow plantings.

Everything else - Some containers are just difficult to fit. Highly tapered planters, very large shallow bowls, and odd shapes create awkward situations. For tapered pots, use the interior bottom dimension when using the fit chart, and tilt the modules back slightly when installing. Or, experiment with adjacent (-ADJ) configurations or solo modules (-MS). We don't expect you to be an expert with this. We are. Call your Tournesol Siteworks salesperson to discuss issues of fit.

Fitting Container Irrigation Inserts

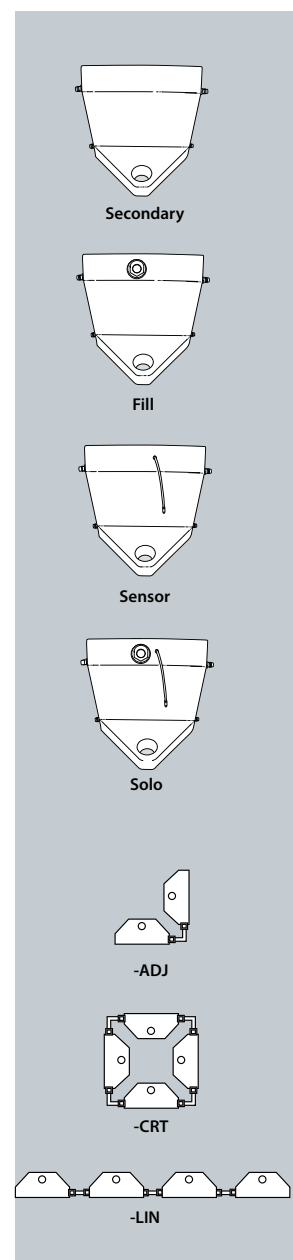
Inserts are designed to be pre-planted and drop into pots, and require no support from the decorative pot. Because there are a limited number of inserts and a nearly unlimited range of decorative containers, determining best fit requires some finesse.

Choose the Insert - Evaluate the shape of the pot to determine the correct optimal insert product. For tapered pots you'll start with the CWC insert. For low bowls or shallow containers, the CWF insert works best. While there are several square inserts, round inserts work just as well in a square planter, assuming the visual impact can be minimized.

Measure the Pot - Measure the internal dimensions of the pot, including the top, bottom and height. Use the size range in the catalog chart as a guide. Find a model that will drop into the container and leave a gap of 1/4" to 1-1/2" between the insert and the pot. Make sure the bottom of the insert will fit into the bottom of the pot. To minimize the visual impact, the interior height of the pot should be 1" taller than the insert. If the insert is short, it can be staged up with gravel, expanded polystyrene foam, or other material that will allow proper drainage and not compress over time.

Choosing a Plant - Typically the largest root ball that will comfortably fit is used in the insert. Underplantings take up room in the insert. If they are to be used, the main plant should be 6-8" smaller than the inside diameter of the insert. Because CWC inserts have an internal taper, a plant that "just fits" into the insert may require root pruning. This may result in initial stress to the plant, and some loss of foliage before the plant acclimates. More significant root pruning is not recommended.

If there doesn't seem to be an insert that fits right, try a CWM Modular system.



Soil

Most good grades of soilless potting media will work with Tournesol Siteworks' container irrigation. Avoid mixes that contain loam or field soil. A soilless mix should have a good combination of capillarity to wick the water from the bottom toward the top, and open structure to allow for proper drainage. Mixes that contain approximately 1/3 peat moss or a peat substitute, 1/3 composted organic materials, and 1/3 sand, perlite or vermiculite usually work well. The peat moss and organic materials provide the capillarity, and the sand provides structure and drainage. Slightly coarser-ground organic mixes seem to work better than very fine mixes.

New soil mixes, including coir mixes (made of composted shredded coconut husks) show great promise. They combine a high level of capillarity, and don't contain the tea-colored tannins that are absorbed into irrigation water. The tannin is the source of staining when pots drain onto surfaces.

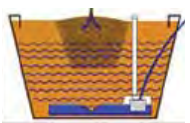
All organic-based components in soil will decompose over time. It is typically necessary to add back soil after 3-5 years in an insert or container. Depending on the size of the plant in the pot, it may be possible to simply add back soil to the top of the container (for smaller plants), or lift the plant (or tree) out of the container enough to pour soil down the side of the pot. Be sure not to submerge the crown of the root ball under the new soil.

The Autofill Automatic Container Irrigation Theory

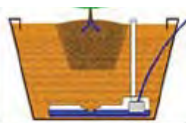
The AutoFill container irrigation system, while based upon conventional sub-irrigation principles, doesn't use the same vacuum control as the rest of our irrigation products. Remember, the AutoFill system relies on a plumbed, low-pressure irrigation line.



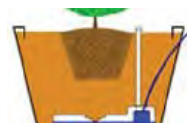
The Autofill valve opens, filling the reservoir. As reservoir fills, water begins to wick up into soil.



AutoFill valve closes when reservoir is full. Plants draw water from soil, which begins depleting reservoir.



As level of water in reservoir drops, soil begins to dry and aeration is allowed through the larger fill ports.



AutoFill valve reopens once level of reservoir drops to refill level.

Autofill System Design

Unlike Tournesol Siteworks' other container irrigation products, the typical AutoFill system will need to be integrated into the overall plumbing design of the building. Because of the repercussions associated with potential system problems, AutoFill systems should be used in conjunction with an irrigation timer and valve system. The timer zone will typically allow water to the reservoir for approx. 30-60 min. per day. The water line running to the AutoFill zone will be filtered and regulated to under 20psi. Pressure regulators used in conjunction with this product should be able to withstand static (i.e. no-flow) situations. In cold climates the AutoFill system (like other irrigation lines) should be designed to be drained and flushed. The AutoFill valves function even at very low pressure, so they may be used with gravity-fed water systems as well as conventional lines.

Each AutoFill reservoir requires its own 1/4" dia. feeder line. Several AutoFill reservoirs may be included in the same planters, depending upon their size and spacing. Typically the units should have 6"-9" gaps, and be placed 6"-9" below the major rootball of plants in the container. Special care needs to be taken that the units be installed level. Tournesol Siteworks recommends that planters plumbed with AutoFill reservoirs also include provisions for drainage. While the valve maintains a consistent moisture level in the container and has a long functional life, practice has proven that a drain line is an inexpensive insurance policy for most large installations.

Drainage Concepts

While we specialize in container irrigation, we get far more questions about the water coming out of pots than going in. Drainage from containers is often the element that makes or breaks a successful installation. If the plant is irrigated, and water is allowed to drain, the plant thrives. If the drainage is controlled so that it doesn't create problems for the owner, the installation thrives.

Moisture Level and drainage theory - The soil moisture in a sub-irrigation system isn't uniform. Gravity works against capillarity (the force drawing water up), so soil at the bottom has the most moisture and gradually contains less as you go up. The higher the level of the sensor in relation to the water source, the more saturated the soil at the bottom will be (and the higher the level of saturation may rise). Water weeps out when the soil at the level of the drain hole is saturated. The practical result is that the systems work best when the drain hole is raised 3-4" above the level of the water source. The further the sensor is from the water source, the higher the overflow drain needs to be.

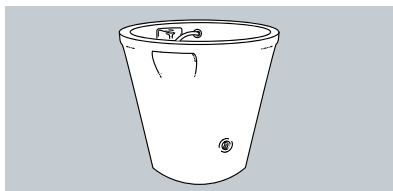
Refilling the reservoir allows water into the soil, which may saturate before the sensor stops the flow. This will lead to minor weeping from the overflow drain. It may take from an hour to a day for the system to stabilize, and the weeping stops. Rain water has the same effect. When the saturation level reaches the height of the overflow drain, the excess water weeps out.

Drainage in inserts - Container irrigation inserts are all designed for either interior or exterior applications. They rely on a tube or pipe a fixed height above the water source to channel water through the wall of the reservoir.

CWI & CWS Liners - The CWI for interiors has no overflow drain. By putting in a copper overflow adapter (either from the factory or as a retrofit kit), it can be used outdoors. CWS Liners rely on the same type of adapter, but are factory fitted for exteriors. For use indoors, specify "no overflow adapter".

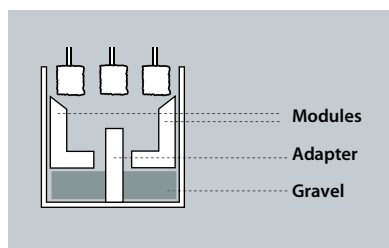


CWF inserts have a threaded aluminum bushing through the bottom. A short riser covered with filter fabric is threaded into the bushing to raise the drain level prior to planting. The drain hole at the bottom of the CWF must be clear. If the insert is staged with a non-permeable material (expanded polystyrene foam, for example), drainage water may back up into the insert.



CWC inserts have a plastic threaded hole several inches up the side of the container. A plug can be threaded into the hole from the outside of the wall for indoor use. For exterior nothing needs to be done to the CWC insert - excess water simply drains down the side of the insert.

In each case the excess water will drain into the decorative pot or planter in which the insert is set. If the pot is waterproof, it can either act as a very large saucer, or have its own drain hole.



Drainage in CWM systems - To raise the drain level, the CWM system relies on an overflow adapter cemented over the drain hole(s) of the pot. The overflow drain works best when located several inches above the level of the water source. This can be complicated when the CWM system is staged up. If the staging material doesn't have capillarity (i.e., gravel), water that accumulates below the overflow drain won't be used. For that reason, we recommend staging on material that wicks (i.e., soilless potting mix). The CWM Overflow Drainage Adapter is delivered at a length that assumes the system is planted directly on the bottom of the pot. If it isn't, a 3/4" PVC union and additional pipe can be glued onto the adapter to raise it to the correct height. Multiple drain holes each need an adapter.

Drainage Problems - The most common reason containers don't drain lies in a combination of the frequency & amount of rainfall and the type of soil in the pot. Fine mixes, or those that have loam components, may not allow fast drainage, especially after frequent or intense rains. Using a good soil goes a long way towards solving this problem. However, drainage adapters with filter fabric (CWF, CWM) may silt over as they grow older, especially with fine planting media. This problem may be addressed by lifting one edge of the pot to get access to the drain hole, and pushing a sharp object through to puncture the filter fabric. Excess drainage is usually a result of rain or recent watering. Problems may also occur because a vacuum is not created above the reservoir (an installation error), checking the water level too often (breaking the vacuum), or, with CWM systems, improper overflow drain height.





Root Barrier & Drainage Control

Ask any of our customers: What's their biggest on-site maintenance problem? We already know the answer – dealing with the long-term effects of roots and drainage. We've been answering questions about drainage since we first started selling irrigation and pots for exterior applications.

Bridging landscape and architecture isn't always just about the pretty stuff. It means understanding maintenance issues, and coming up with solutions that help both designers and contractors. This year marks the debut to our line of root barrier products, thanks to the acquisition of Vespro, Inc's assets in May of 2013. We're confident that their products (root barrier, water barrier, drainage panel) address your needs as well as our current products.

Our experience with issues of drainage and root control will allow your installation to look as good as you envision it – find out more when you talk to your Tournesol Siteworks representative.

Highline, New York, NY.

Tournesol Siteworks provided custom FRP liners for the trees at this iconic location.
Design: James Corner Field Operations
Photo: Randy Sharp, Sharp-Diamond Landscape Architects

OPPOSITE LEFT

Root Solutions Root Barrier.

OPPOSITE RIGHT

Private Residence, New York, NY.



Root Solutions

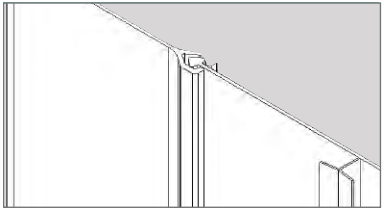
Flexible, easy-to-assemble root barrier.

Root Solutions extruded panels offer the simplest way to keep tree roots from damaging sidewalks, roads, and structures. Root Solution panels have a 20 year track record and have protected miles of installations. Whether used as a linear root barrier (for median plantings, for example) or surrounding a tree rootball, the flexible panels will contour to irregular or difficult locations. Twenty years of use nationwide has proven that trees and plants are largely unaffected by its use. The initial expense of installing root barrier pales in comparison to the cost of digging up roads and sidewalks, which has led to its adoption in many city building codes.

Root Solutions panels are made of a blend of 100% post-consumer recycled low- and high-density polyethylene to get the optimal combination of flexibility, strength and durability. The interlocking edge channels have proven themselves to be the fastest and most reliable means of connecting panels, and made us the #1 choice of contractors. Other injection-molded barriers require additional locking connectors (which frequently are lost or broken) and lack flexibility for bends and corners. Root Solutions panels feature an anti-compaction channel, which helps to direct roots downward, in addition to preventing girdling.



Part No.	Material	Dimensions	Weight (ea.)	Case Pack
RS-12	HD/LLDPE	24"W x 12"D x .08"	1	20
RS-18	HD/LLDPE	24"W x 18"D x .08"	1.5	20
RS-24	HD/LLDPE	24"W x 24"D x .08"	2	20
RS-36	HD/LLDPE	24"W x 36"D x .08"	3	20
RS-48	HD/LLDPE	24"W x 48"D x .08"	4	20



Root Solutions panel's interlocking edge assembles quickly.



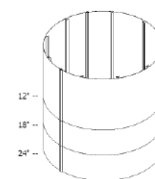
Root Solutions panels are an extruded blend of 100% post-consumer recycled high-density and linear low-density polyethylene, with an average thickness of 80mil (0.08")

Material Chart

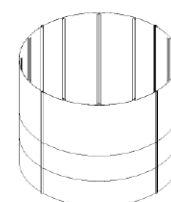
Property	ASTM Test Method	Result
Tensile Strength at Yield	D638	3800
Elongation at Break (%)	D638	10%
Tensile Modulus	D638	155,000
Notched IZOD Impact	D256A	0.4 - 4.0
Flexural Modulus	D790	145,000
Hardness (Shore)	D2240	P66

For Tree Containment

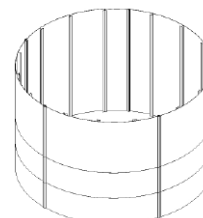
Container	Bailed Burlap or Field Grown	Panels Per Tree
16 gal.	up to 16"	3 to 4
20" box	up to 24"	4
24" box	up to 32"	5
30" box	up to 38"	6
36" box	up to 48"	7
42" box	up to 55"	8
48" box	up to 65"	9
60" box	up to 78"	11
72" box	up to 94"	13



23" dia. - 3 panels



31" dia. - 4 panels



38" dia. - 5 panels



Standard Planter Liners

Never specify a metal planter liner again!

We've been meeting challenges with thermoplastic planter liners for over 30 years. With projects ranging from the High Line project in NYC to massive parking structures to cast-in-place rooftop planters to lining modular freestanding pots, we've seen it before. We also fabricate liners for garbage cans, millwork planters, and anything else you can think of. We have two main varieties of liners – standard (these two pages) and custom (pages 104 and 105).

We have the widest range of standard liners in the industry. We fabricate them using a unique deep-draw vacuum forming process, which allows us to produce a range of sizes up to 72"L, 33"W and 17" deep. For anything (and everything) you don't see here, see pages 104 and 105. Standard liners are made in durable recycled ABS plastic and formed from a single sheet of material. These liners are resistant to chemicals, root intrusion, shovels and physical abuse, and anything else that happens in a planter. With over 100 standard sizes, quick setup and rapid cycle times, as well as the ability to custom trim flange sizes to your application, these are the best "bang for the buck" in the business.

ABOVE

Private Residence, New York, NY.
PL4-60310 liners (3 pcs.).

Standard ABS Planter Liners

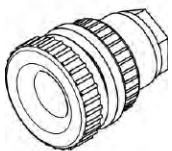
General-use thermoformed liners are made of post-industrial recycled ABS. UV inhibitors are added to the material, but for applications where they will be exposed to direct sun, field painting is recommended. All liners are created to a $\pm .125"$ tolerance. Liner thickness will vary slightly from the ends to the center, and walls may flex outwards on longer liners.



Part No.	Width (A)	Planting Area (B)	Depth (C)	Nominal Lengths								
PL1-XX	8"-10"	6.38"	8"	24"	30"	36"	42"	48"	54"	60"	66"	
PL2-XX	11"-14"	8.12"	9"	24"	30"	36"	42"	48"	54"	60"	66"	
PL3-XX	15"-18"	12.5"	9"	24"	30"	36"	42"	48"	54"	60"	66"	
PL4-XX1412	13"-15"	11.25"	12"	24"	30"	36"	42"	48"	54"	60"		
PL4-XX1716	16"-20"	14.75"	16"	24"	30"	36"	42"	48"	54"	60"	66"	
PL4-XX2110	20"-22"	18.5"	10.5"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PL4-XX2112	20"-22"	18.5"	12"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PL4-XX2116	20"-23"	17"	16"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PL4-XX2410	23"-25"	21"	10.5"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PL4-XX2517	24"-26"	22.75"	16.5"	36"	48"	60"	72"					
PL4-XX3010	28"-32"	26.5"	10.5"	36"	42"	48"	54"	60"	66"	72"		
PL4-XX3016	30"-32"	27.25"	16"	24"	30"	36"	42"	48"	54"	60"	66"	72"
PL4-XX3316	32"-35"	30"	16"	24"	30"	36"	42"	48"	54"	60"	66"	72"

Drainage Accessories

Plumbing liners and planters for drainage is made easy with these PVC drainage adapters. Double gasketing assures that surface variations, inside and out, won't compromise the seal on the liner.



Part No.	Size	Description
TA-050	½"	Slip x Thread double-gasketed drainage adapter
TA-075	¾"	Slip x Thread double-gasketed drainage adapter
TA-100	1"	Slip x Thread double-gasketed drainage adapter

Drain holes are to be made in field by installing contractor.



Custom & Welded Planter Liners

Never specify a metal planter liner again!

Tournesol Siteworks has made custom liners for nearly every kind of project you can think of. We provide liners to many other pot, planter and site furnishing manufacturers who know that we can create custom solutions at a price that meets their needs. We work in three typical materials for custom – FRP fiberglass, rotationally molded Polyethylene, and Welded stress-relieved polypropylene. Each material is specifically suited to a certain type of application – our most important expertise is helping you figure out which material suits your application.

Our most common custom liners are welded together from stress-relieved polypropylene sheets. It's much the same process as welding any other material – except that the plastic won't rust, corrode or rot over time. By welding, we can make unique sizes, shapes and configurations in small quantities without expensive tooling or engineering costs. The liner walls will typically support the weight of the soil, but may flex and bow slightly when full. For most structural liner solutions (where wall movement is more critical), we typically use FRP fiberglass.

Talk to one of our sales team to discuss which material will best suit your next liner project!

Drainage Accessories

Plumbing liners and planters for drainage is made easy with these PVC drainage adapters. Double gasketing assures that surface variations, inside and out, won't compromise the seal on the liner.

Part No.	Size	Description
TA-050	½"	Slip x Thread double-gasketed drainage adapter
TA-075	¾"	Slip x Thread double-gasketed drainage adapter
TA-100	1"	Slip x Thread double-gasketed drainage adapter

Drain holes are to be made in field by installing contractor.



ABOVE, TOP
Installations showing use of welded planter liners in the field, large and small.

ABOVE, BOTTOM
Fabrication of custom planter liner in FRP fiberglass.

OPPOSITE
Portland International Airport Parking Structure. Portland, OR.
The units fabricated by Tournesol Siteworks for this massive parking structure were more like non-decorative planters than true planter liners. They ranged in size from 96" x 36" w x 36" w, up to 73" x 48" w x 42" d, and all sidewalls were unsupported. We created a LLD Polyethylene liner with galvanized steel tube reinforcing to hold the load and channel it to the parking garage deck.
Design: Mayer-Reed Landscape Architects.

Drainage Control Products

We get more questions about drainage than anything else. Our drainage systems can be used to pump out planters, provide overflow drainage, and control drainage in many applications. Whether the application can tolerate no drainage, needs overflow drainage, or plumbed solutions, we have a product that will work for you. While designed to integrate with most Tournesol products (including our irrigation systems), they can be used equally well with pots or planters from any manufacturer.



Part No.	Usage Scenario	Description	
DR1-1	1	Drainage System Type I	includes pump-out tube, "T" and sleeve (no pipe loop)
DR1-2	1	Drainage System Type I	includes pump-out tube, 18" dia. drainage pipe and sleeve
DR1-3	1	Drainage System Type I	includes pump-out tube, 30" dia. drainage pipe and sleeve
DR1-4	1	Drainage System Type I	includes pump-out tube, 42" dia. drainage pipe and sleeve
DR2-1	2	Drainage System Type II	includes pump-out tube, side discharge adapter, no pipe loop
DR2-2	2	Drainage System Type II	includes pump-out tube, side discharge adapter, 18" drain loop
DR2-3	2	Drainage System Type II	includes pump-out tube, side discharge adapter, 30" drain loop
DR2-4	2	Drainage System Type II	includes pump-out tube, side discharge adapter, 42" drain loop
TODA	3	Side discharge overflow adapter	includes drainage adapter and valved stopcock fitting
TA-050	4	1/2" slip x thread double-gasketed drainage adapter	for liners, boxes & planters
TA-075	4	3/4" slip x thread double-gasketed drainage adapter	for liners, boxes & planters
TA-100	4	1" slip x thread double-gasketed drainage adapter	for liners, boxes & planters

Usage Scenarios



DR1-2 drainage in Wilshire Collection pot.

- Scenario 1** - No free drainage. If the application is critical and manpower is available, a pot can be installed without a drain hole. The Type I drainage system is buried at the lowest level in a drainage layer, which allows maintenance to pump out excess water as necessary. The siphon tube can also be used to monitor the level of water built up in the container.
- Scenario 2** - Overflow Drainage. There is no drain hole, but excess water is allowed to drain. The Type II system provides for the ability to pump out the planter (if required), but will allow excess water to free drain after a rain. Very effective in applications using Tournesol's Container Irrigation Systems. The drainage head may also be attached to a flexible tube. Type II systems may only be used with thin-walled containers.
- Scenario 3** - Overflow, no Siphon Tube. The bottom of the pot is closed, and excess water is allowed to drain (as in Scenario 2), but no siphon tube is required. The TODA features a valved stopcock which may be left closed (and opened as required), or simply left open to allow for excess water overflow.
- Scenario 4** - Plumbed drainage. Tournesol Siteworks offers drainage adapters in standard sizes between 1/2" and 1" dia. These units can be installed in pots, planters and liners, and are double-gasketed for a positive seal. Available as slip x thread or slip x slip connections.

Fiberglass Skirted Saucers

For all fiberglass, GFRC lightweight concrete and polyethylene decorative planters. All saucers are manufactured to our new skirted design in durable FRP fiberglass. A wide range of sizes are designed to fit most planter sizes, and extend no more than 1.5" beyond the base of the container. Talk to your salesperson for assistance in matching saucers to specific pot sizes.

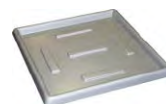
Round Skirted Saucers

Shape	Description
Round	11 round saucers available in sizes from 15.5" to 57.5" (inside diameter)



Square Skirted Saucers

Shape	Description
Square	10 square saucers available in sizes from 17" to 93" (inside dimensions)



Rectangle Skirted Saucers

Shape	Description
Rectangle	5 families of saucers: 15.5", 19.5", 21.5", 25.5", 27.5"W, from lengths of 21" up to 98"L (all given as inside dimensions)

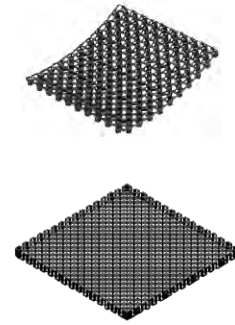




VersiCell® Drainage Panels

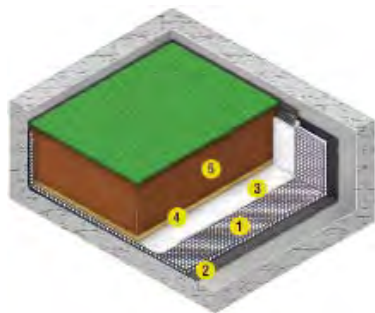
Engineered to be the best in sub-surface drainage.

VersiCell is a sub-surface drainage panel that provides the ultimate combination of strength and water flow capacity. The modular, connectable panels are frequently used in a variety of installations where reliable, high-volume water flow is critical. VersiCell, with its incredible compressive strength and durable open structure, provides assurance to the design professional that water won't collect where it's not supposed to. It's commonly used in place of heavy aggregates for roofing membrane protection, under topping slabs on roofdecks, and as a base for on-structure pavers and decking. The newest application is as a base when casting large concrete planters in place. The VersiCell® rests on the monolithic waterproofing membrane, and allows the planters to drain freely, simplifying construction of landscapes on structure.



VersiCell is made of 100% post-consumer polypropylene in rigid panels 1-1/8" (30mm) and 3/4" (20mm) thick. A flexible VersiCell panel 1-1/8" (30mm) thick is available for use on curved surfaces. The material is highly inert, and won't break down or crush over the life of a project. Side tabs allow the panels to be connected for large-field installations. VersiCell must be used in conjunction with a non-woven drainage fabric, by others.

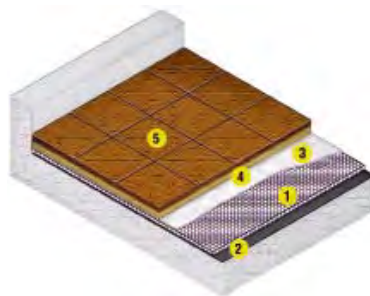
Model No.	Size	Weight (lbs./sq. ft.)	Compressive Strength (lbs./sq. ft.)	Discharge Capacity @ 1% Gradient (gal/s per sq. ft.)
EVC-20	19.625" x 19.625" x 3/4" H - Rigid Panel	0.41	20,900	1.32
EVC-30	19.625" x 19.625" x 1-1/8" H - Rigid Panel	0.51	20,900	1.32
EVC-35	19.625" x 19.625" x 1-1/8" H - Flexible Panel	0.45	12,500	1.04



Planters and Greenroof

Use to line a planter or under a greenroof.

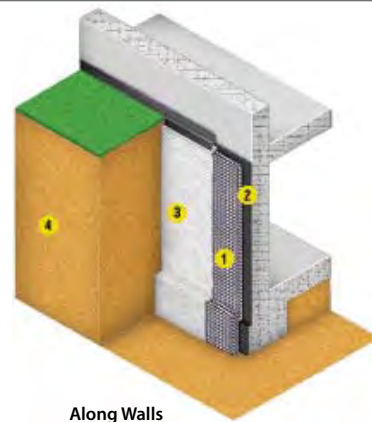
1. VersiCell®
2. Waterproofing
3. Geotextile
4. Coarse Sand
5. Planting Soil



Plaza and Pavers

Use on a plaza deck for drainage under pavers.

1. VersiCell®
2. Waterproofing
3. Geotextile
4. Sand
5. Pavers



Along Walls

Use along a sub-surface wall to keep moisture from waterproofing.

1. VersiCell®
2. Waterproofing
3. Geotextile
4. Soil

OPPOSITE

Marina Barrage, Singapore.

The green roof on the iconic Marina Barrage pumping station rests on a layer of rigid EVC-3050 VersiCell® for fast, efficient, lightweight drainage.

Materials and Finishes

Standard Paint Colors (FRP products)

Most of our standard colors coordinate with Pantone® (PMS) colors, so you can be confident of the color you are getting. Colors may vary slightly with texture (T-0, T-1 and T-2 in FRP products), or finish (semi-gloss or satin). Call us to discuss your custom matched color needs.



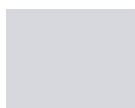
Chaparral
(PMS 452)



Sahara
(PMS 726)



Caramel
(PMS 728)



Smoke
(PMS 420)



Shark
(PMS 422)



Shadow
(PMS 425)



Pitch
(PMS Black2)



Leaf
(PMS 341)



Pine
(PMS 343)



Colonial
(PMS 651)



Royalty
(PMS 653)



Rosa
(PMS 5015)



Oxide
(PMS 4985)



Sandbox
(PMS 468)



Reed
(PMS 4545)



White



Ivory



Italian Terra Cotta



Chocolate

Five New Colors!



Alarm



Mandarin



Canary



Apple



Puddle

Metal-Infused Finishes (FRP products)

Real metal at a fraction of the price! We mix atomized metal powders into the fiberglass resin, then work each product by hand to achieve the finish you see below. The appearance will vary with the texture. These metals will weather and age, providing richness and depth to each piece. Metal-infused finishes are also more fade and scratch resistant than base colors.



Aluminum



Aged Bronze



Iron



Aged Copper

Metal Matched Paint (FRP products)

Our new Metal Matched Paint (MMP) colors lend FRP products the look of a metal-infused finish at a considerably lower cost. They don't age or weather, and provide uniformity for commercial applications. Other interesting looks can be created using the MMP custom matches.



MMP Bronze



MMP Aluminum

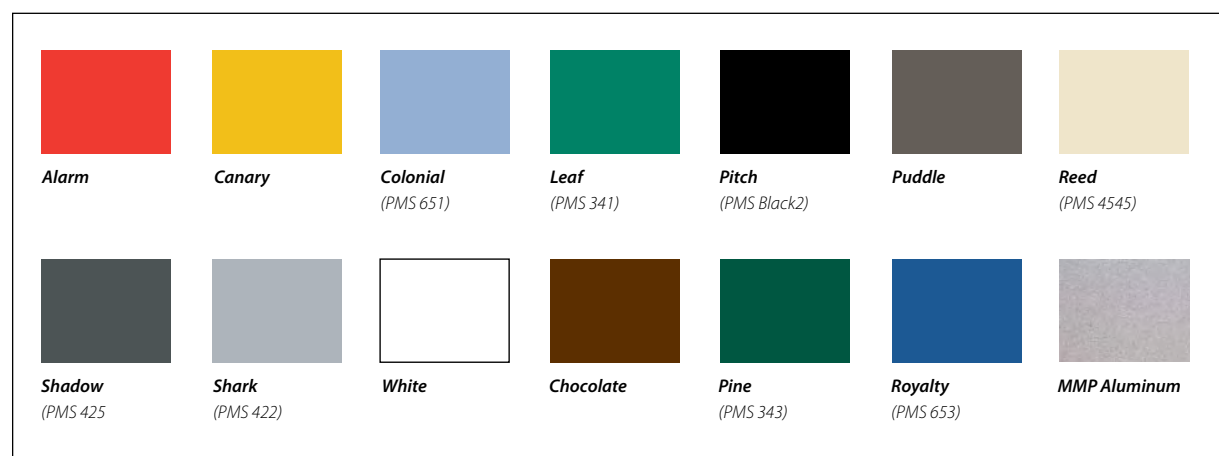


MMP Copper



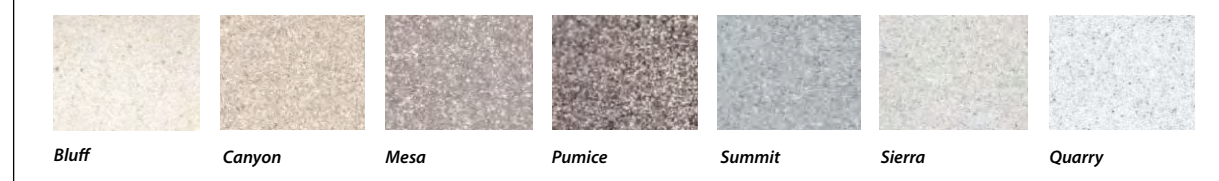
MMP Iron

Standard Powder-Coat Colors (Metals not including VertiGreen Trellis)



Matrix Finishes (LLDPE products)

Our complex matrix finishes feature up to 7 different colors molded together to create a scratch-, fade-, and graffiti-resistant surface. The pigments are compounded directly into the polyethylene, so won't expose a different color if scratched. The finishes are incredibly durable yet surprisingly rich for a thermoplastic product.



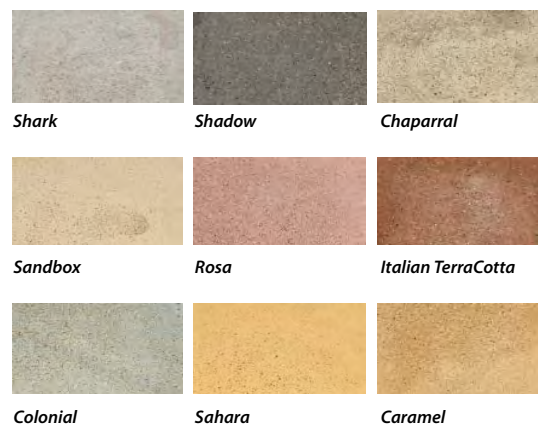
Concrete Finishes (GFRC products)

Our standard colors provided a starting point, but by using the natural properties of concrete we came up with something altogether different. The Acid Etch finish (we now use more environmentally friendly sand-blasting to achieve the same thing) exposes more of the natural sand color, while providing a consistent, finely textured appearance. The Travertine has a more rustic, natural appearance but with a more "true" color. We can also use standard Scofield colors in both finishes.

Travertine



Acid Etch



Standard Three-Year Warranty

Tournesol Siteworks, LLC warrants to the initial purchaser of its products that they will repair or replace product that contains a defect in material or workmanship for a period of three years from the date it is delivered to the initial purchaser.

This limited warranty does not include those parts which fall under standard regular maintenance of the planter, including but not limited to parts which are subject to periodic replacement. The warranty does not apply to conditions resulting from misuse, abuse, failure to follow directions for use, unauthorized modifications, neglect, accident or other hazard or the like. The remedy under this warranty is limited to repair or replacement, at Tournesol Siteworks's option, of the defective parts of the warranted product. Repair or replacement of a part does not extend the warranty beyond the initial warranty period.

This is the only written warranty applicable to the product. The duration of the implied warranty on the product is limited to the three year duration of this express warranty. In no event shall Tournesol Siteworks be liable for any incidental or consequential damages, including but not limited to damage to any plants which may have been planted in the product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

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BETWEEN LANDSCAPE ARCHITECTURE