

## Planter Liners

### Overview

#### General Description:

Fiberglass planter liners are used to prevent irrigation and rain water from migrating to areas of the building structure where it will cause significant and expensive damage. Old Town fiberglass liners are completely waterproof and extremely strong and durable. Fiberglass liners will remain water-tight significantly longer than flexible membranes or fluid-applied waterproofing methods. As long as the structural integrity of the liner is not compromised an Old Town Fiberglass liner will last decades.

#### Applications:

Old Town Fiberglass produces planter liners for stand-alone planters and concrete, masonry and framed (wood or metal) plant containers of any size and configuration. Old Town Fiberglass liners are usually custom fabricated for containers or water features designed and integrated into commercial architectural projects.

#### Materials:

Old Town Fiberglass planter liners are fabricated with glass fiber reinforced polyester resin. Fire-retardant properties can be added upon request.

#### Planer Liner Types:

Following pages present the basic construction methods used by Old Town to produce planter liners appropriate for different installations. Planter liners can be specified with or without rims. If rims are exposed they can be painted (by others) or Old Town Fiberglass can spray them on-site with any of our standard colors/finishes. See a separate catalog section or our web site for suggested "Flashing Details" which should be considered when selecting a planter type and rim configuration.

#### Old Town Fiberglass Services:

Old Town Fiberglass liners are usually custom fabricated for containers designed and integrated into architectural projects. As these containers are constructed on site, we begin the process by carefully recording precise field measurements. These measurements ensure the accurate fit of each planter liner. Liners or liner components are carefully crafted in our production facility and are transported to the site by common carrier or our trucks. Old Town's experienced installation crew expertly installs or fabricates liners to the on-site conditions. Drains and irrigation lines (if specified) are installed in the liner (connection to supply and drain lines by others).

#### Options:

Old Town will work with you in the design, fabrication and installation of planters with options for your specific requirements. We welcome your enquiries.

#### Old Town Fiberglass, Inc.

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## Planter Liners

### Molded Liners

**General Description:**

Custom, one-piece liners produced from a mold at our production facility. Molded liners are seamless with inside radius corners and a minimum thickness of not less than 5/32".

**Applications:**

Molded liners are appropriate when you require numerous liners with the same dimensions.

**Considerations:**

One-piece molded liners are generally available up to maximum size of 8'W x 8'L x 3'H. However please discuss your size requirements with us if your liners exceed these figures. These liners are fabricated in a female mold and will have the same outside tub dimensions—therefore it is essential that the planters on the job-site are constructed to the same size with appropriate tolerances.

**Drains:**

Our exclusive drain assembly is optional and recommended for all liner installations (see page 6).

This assembly is bonded to the floor of the liner on the job-site and interfaces with standard 2" PVC plastic drain piping (by others). A 4" diameter hole is required in the floor beneath the planter liner (by others) to accept the assembly.

**Rim Options:**

Liners are offered with three different rim options as shown. Exposed rims may be painted (by others) or Old Town Fiberglass can spray the rim, on-site with our standard colors/finishes to coordinate with surrounding finishes. Custom colors are also available.

**Flashing Details:**

The selection of a rim option and a corresponding flashing detail are important as it is essential to prevent irrigation or rain water from seeping behind liner walls. Please see the "Flashing Details" section of our catalog or web site for suggestions.

**Options:**

Ask us about our irrigation systems and perforated "Sub-Floor" water reservoirs (see page 7).

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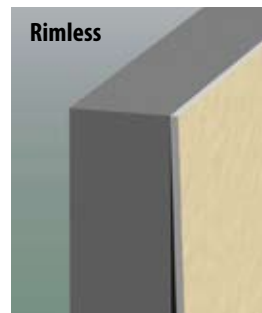
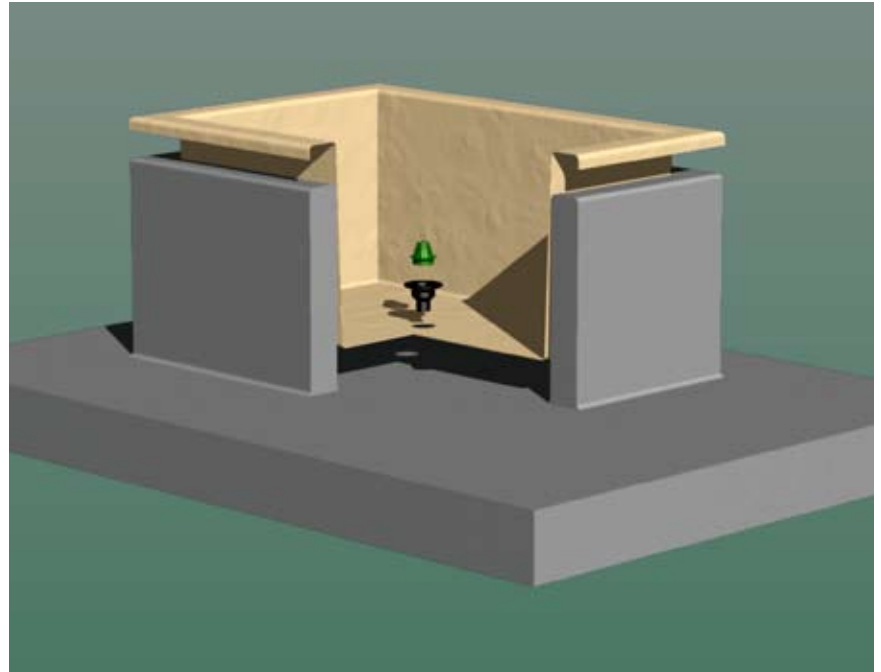
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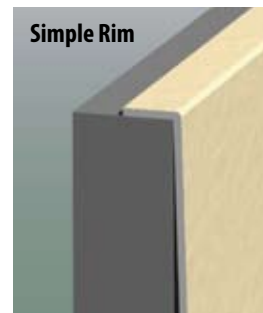
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Without a rim, liner sides may be trimmed down on the job-site to match the height of irregular planter walls. This rim design will require flashing and/or a wall cap (by others).



Simple rims offer some benefits when flashing but unlike the "rimless" detail cannot be trimmed on the job-site. This design will usually require flashing and/or a wall cap (by others).



Wrap-around rims may not require flashing or caps to be fully functional. The wrap-around feature may compensate for irregularities in planter height walls. Depending on conditions these liners may be removable.

## Planter Liners

### Molded/Fabricated Linear Liners

**General Description:**

Three-sided molded end units are joined/bonded to molded "U" shaped straight sections to form one-piece, linear planter liners.

**Applications:**

This type of construction is appropriate when there are numerous, linear planter liners with the same dimensions.

**Considerations:**

Molded liners are generally available up to a maximum size of 8'W x 8'L x 3'H. However please discuss your size requirements with us if your liners exceed these figures. These liners are fabricated in a female mold and will have the same outside dimensions—therefore it is essential that the planters on the job-site are constructed to the same size with appropriate clearance.

**Drains:**

Our exclusive drain assembly is optional and recommended for all liner installations (see page 6).

This assembly is bonded to the floor of the liner on the job-site and interfaces with standard 2" PVC plastic drain piping (by others). A 4" diameter hole is required in the floor beneath the planter liner (by others) to accept the assembly.

**Rim Options:**

Liners are offered with three different rim options as shown. Exposed rims may be painted (by others) or Old Town Fiberglass can spray the rim, on-site with our standard colors/finishes to coordinate with surrounding finishes. Custom colors are also available.

**Flashing Details:**

The selection of a rim option and a corresponding flashing detail are important as it is essential to prevent irrigation or rain water from seeping behind liner walls. Please see the "Flashing Details" section of our catalog or web site for suggestions.

**Options:**

Ask us about our irrigation systems and perforated "Sub-Floor" water reservoirs (see page 7).

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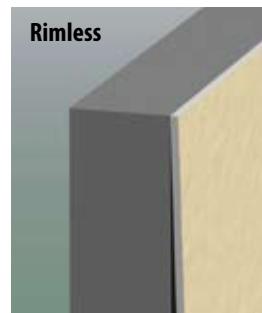
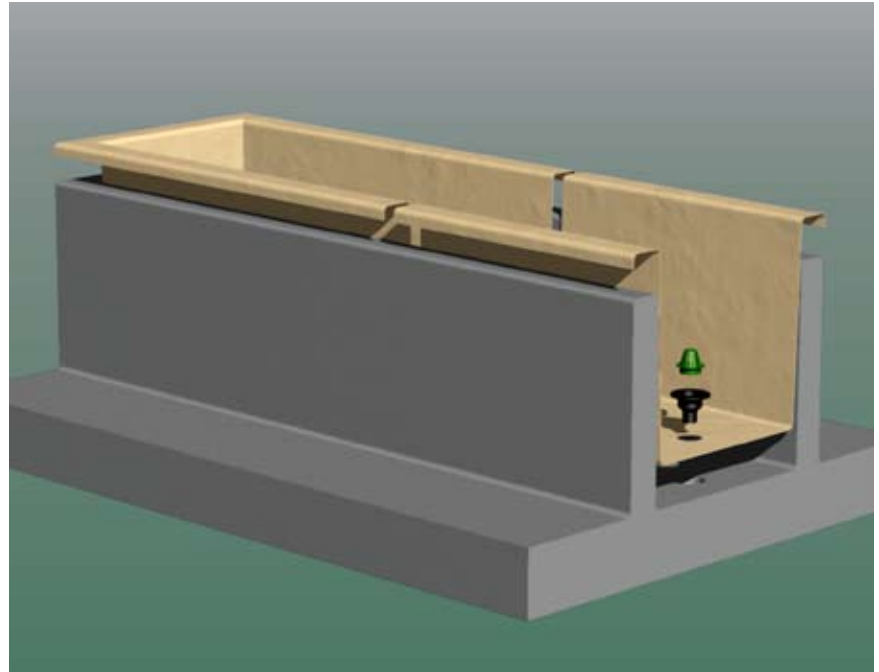
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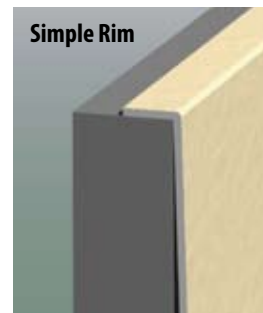
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Without a rim, liner sides may be trimmed on the job-site to match the height of irregular planter walls. This rim design will require flashing and/or a wall cap (by others).



Simple rims offer some benefits when flashing but unlike the "rimless" detail cannot be trimmed on the job-site. This design will usually require flashing and/or a wall cap (by others).



Wrap-around rims may not require flashing or caps to be fully functional. The wrap-around feature may compensate for irregularities in planter height walls.

## Planter Liners

### Molded/Fabricated Liners

#### General Description:

A combination of molded side panels (with simple or wrap-around molded rims) and prefabricated flat panels. Molded and prefab sections are tailored to the shape of the planter on the job-site and then joined/bonded to create a one piece liner.

#### Applications:

Molded/fabricated liners are appropriate for planters with consistent wall thickness and height.

#### Considerations:

Molded liner sections are generally available up to a maximum size of 8'W x 3'H. However please discuss your size requirements with us if your liner requirements exceed these figures. Molded wall sections will have the same dimensions but can be trimmed (at the bottom edge) to accommodate variations in wall height before sections are joined together.

#### Drains:

Our exclusive drain assembly is optional and recommended for all liner installations (see page 6).

This assembly is bonded to the floor of the liner on the job-site and interfaces with standard 2" PVC plastic drain piping (by others). A 4" diameter hole is required in the floor beneath the planter liner (by others) to accept the assembly.

#### Rim Options:

Liners are offered with two different rim options as shown. Exposed rims may be painted (by others) or Old Town Fiberglass can spray the rim, on-site with our standard colors/finishes to coordinate with surrounding finishes. Custom colors are also available.

#### Flashing Details:

The selection of a rim option and a corresponding flashing detail are important as it is essential to prevent irrigation or rain water from seeping behind liner walls. Please see the "Flashing Details" section of our catalog or web site for suggestions.

#### Options:

Ask us about our irrigation systems and perforated "Sub-Floor" water reservoirs (see page 7).

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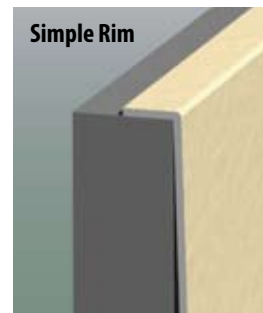
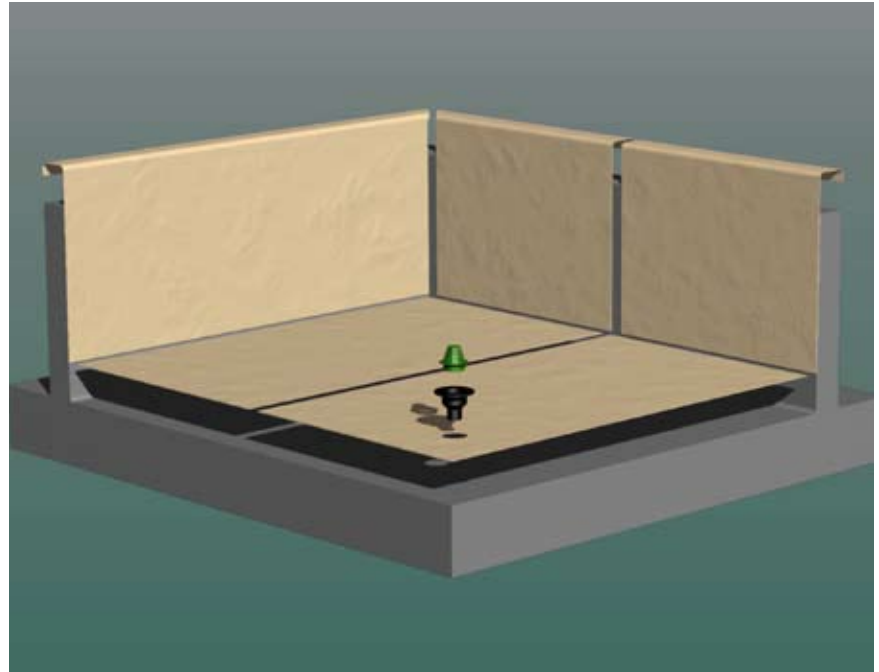
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Simple rims offer some benefits when flashing but will usually require flashing and/or a wall cap (by others). These panels may be trimmed at the bottom to conform to irregular planter floors.



Wrap-around rims may not require flashing or caps to be fully functional. Depending on conditions these liners may be removable. These panels may be trimmed at the bottom to conform to irregular planter floors.

## Planter Liners

### Fabricated Liners

**General Description:**

Liners constructed on the job site with prefabricated, flat, fiberglass panels. Panel sections are carefully tailored to the shape of the planter and then joined by a fiberglass/resin lamination to create a water-tight, one-piece liner.

**Applications:**

Fabricated liners are appropriate for large planters of dissimilar dimensions or containers with complex or irregular shapes.

**Considerations:**

As these liners are fabricated on the job-site there are no size limitations. Individual prefabricated panels however rarely exceed 8'W x 4'H.

**Drains:**

Our exclusive drain assembly is optional and recommended for all liner installations (see page 6). This assembly is bonded to the floor of the liner on the job-site and interfaces with standard 2" PVC plastic drain piping (by others). A 4" diameter hole is required in the floor beneath the planter liner (by others) to accept the assembly.

**Rim Options:**

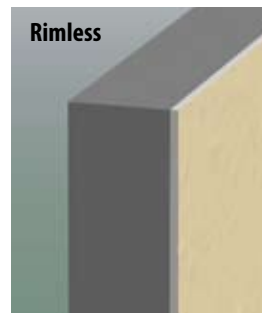
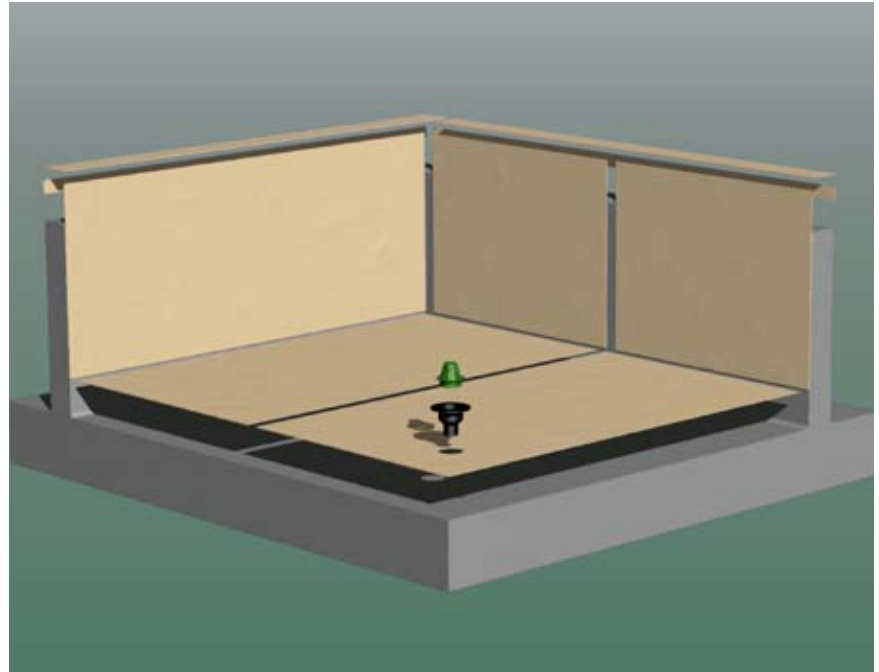
Liners are offered with three different rim options as shown. Exposed rims may be painted (by others) or Old Town Fiberglass can spray the rim, on-site with our standard colors/finishes to coordinate with surrounding finishes. Custom colors are also available.

**Flashing Details:**

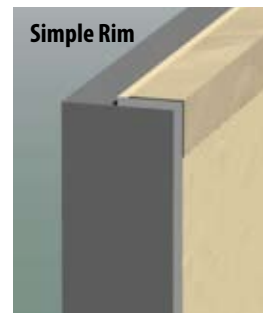
The selection of a rim option and a corresponding flashing detail are important as it is essential to prevent irrigation or rain water from seeping behind liner walls. Please see the "Flashing Details" section of our catalog or web site for suggestions.

**Options:**

Ask us about our irrigation systems and perforated "Sub-Floor" water reservoirs (see page 7).



This rim design is simple and less expensive to fabricate but will require flashing and/or a wall cap (by others).



Simple rims offer some benefits when flashing but will usually require flashing and/or a wall cap (by others).



Wrap-around rims may not require flashing or caps to be fully functional.

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### Drain Assembly

**General Description:**

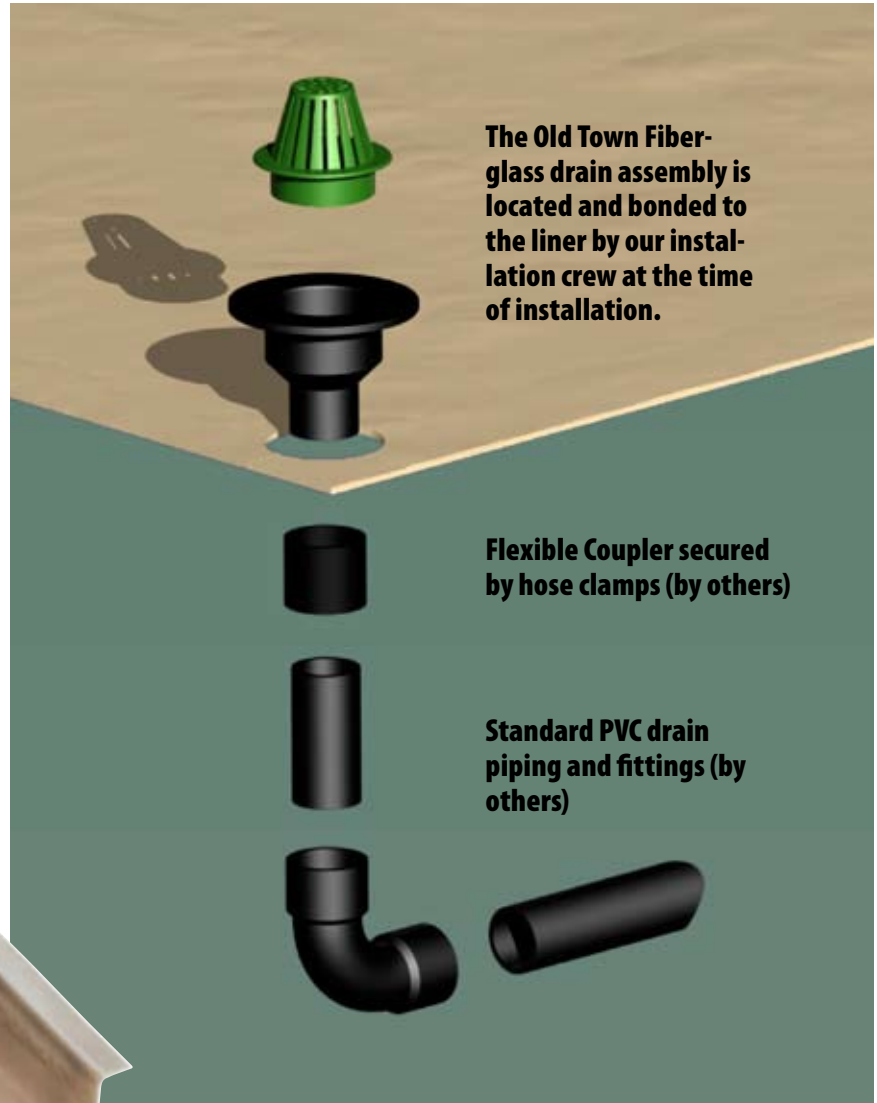
Rain and irrigation can quickly fill a planter with water unless a drain is installed in the floor of the liner. Old Town Fiberglass's proprietary drain assembly is supplied with every planter liner. This drain is molded in fiberglass so that it can be bonded (glassed) into the liner for a sturdy, water-tight installation. The drain interfaces with standard 2" PVC drain piping using a flexible connector and hose clamps. This assembly method allows the drain line to be quickly and easily disconnected from the liner drain assembly.

**Applications:**

Drains are recommended for every liner type and installation.

**Considerations:**

A 4" hole must be provided (by others) in the structure floor beneath the liner to accept the Old Town Fiberglass drain assembly. The center of this hole shall be not less than 8" away from the planter walls. Old Town's installers will correctly locate the drain assembly in the liner floor and bond it in place. The installation of the coupler, hose clamps and PVC piping and fittings is by others.



Included with the drain is one of two grate designs; cone and flush (directly above). Our Installers will install the one best suited to your application.

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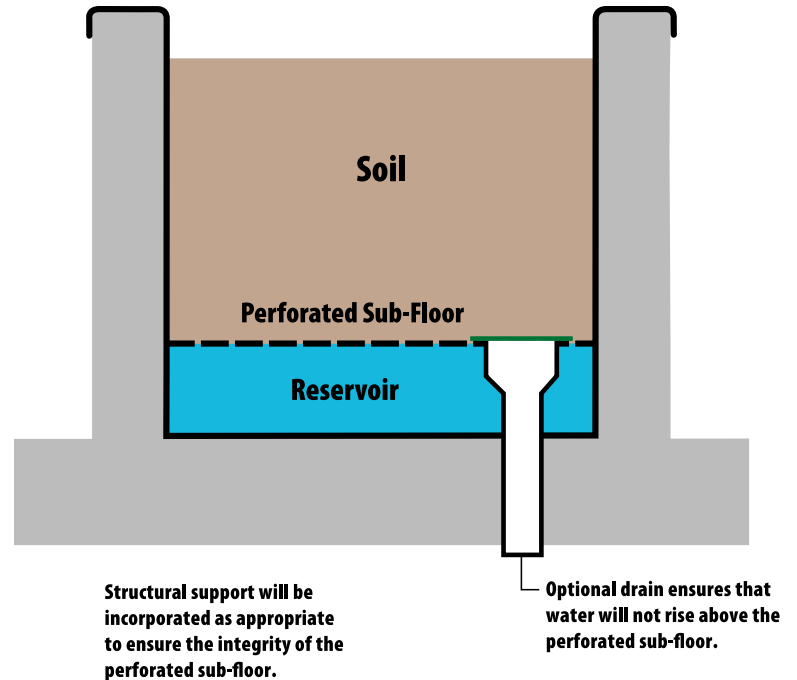
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### Liner Irrigation

A fiberglass, perforated “sub-floor” is positioned 3” above the liner floor. This partition allows water to drain into the reservoir below. The reservoir acts as an irrigation system by watering the plant’s root ball. The sub-floor is permanently laminated into the liner but upon request may be made removable. An optional drain can be installed in the sub-floor to ensure that water does not rise above this level—there is never any concern of overfilling. See the previous page for more information on drains.

For typical irrigation, water thoroughly from the top to be sure all the soil has been moistened and the water reservoir is full. Begin normal water frequency (once every one to two weeks). Let the plant use the water retained in the reservoir before watering again.

Sub-irrigated foliage benefits from “lighter” mixes with larger particles and more air space. Prepare the soil above the sub-floor with coarse perlite. Filter fabric may be used at this point to prevent soil and roots from entering the reservoir.



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