ÜBERTILE®
Technology for Tiling

Ubertile® THIN Waterproof Pre-sloped Shower Pan Installation Manual

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Technical Questions?
1-877-759-5755 (M-F 9am-5pm, MST)
tech@ubertile.com

scan for most current installation manual

ÜBERTILE®

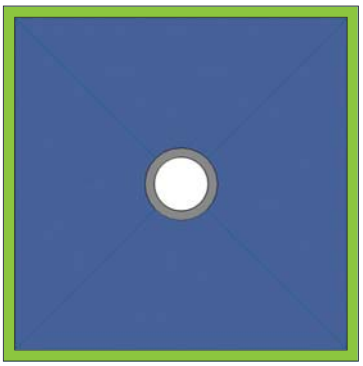
WWW.UBERTILE.COM

The information within this guide is for reference only and does not supersede requirements from other product manufacturers or building codes. Consult and follow manufacturers specific installation and safety instructions.
Rudiger Group Inc. bears no responsibility or liability for damage(s) resulting from the product installation. All tasks performed by the product user are at the own risk and liability of the user. Information may change without notice.
Visit www.ubertile.com for most current revision of document.
Contact 877-759-5755 during business hours for MSDS.

rev 08-16-2024

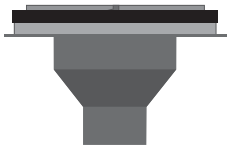
1.1T - Required Products, Tools, Materials & Safety Gear

Pre-Sloped Shower Pan

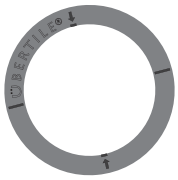


Ubertile THIN Pre-sloped Shower Pan

Drain (sold separate)



ABS Drain Body



Lock Ring



Recessed Support Plate



Wood Screws



Lubricant



Standard Grate Holder



Weeping Nut



Drain Grate



Tileable Drain Grate



Tileable Grate Holder & Weeping Block



Grout Joint Spacer

Wall Panel Non-steam shower use (sold separate)



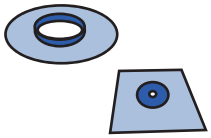
Uberboard™ Classic 1/2” thick panel



Uberboard™ Fasteners



Uberseal™



Mixing Valve & Pipe Seal

Wall Panel Intermittent Steam Showeruse (sold separate)



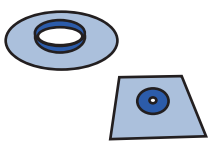
Uberboard™ Vapor 1/2” thick panel



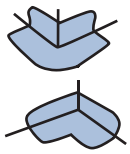
Uberboard™ 304 Stainless Steel Fasteners



Vapor fabric



Mixing Valve & Pipe Seal



Fabric Corners Inside / Outside

1.1T - Required Products, Tools, Materials & Safety Gear

Tools (installer to provide)



Tape Measure



Marker / Pencil



Inside
Pipe Cutter



Utility Knife



Spirit Level



Power Drill



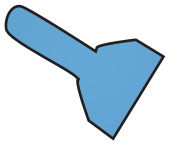
3/8”x3/8”
sq-Notched Trowel



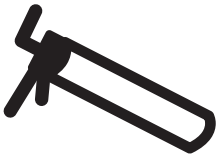
1/4”x3/16”
V-Notched Trowel



Flathead
Screwdriver



Flat and Corner
Spreader



300ml Caulking Gun



Jigsaw or
Circular Saw

Adhesives (installer to provide)



Non-Steam Showers
Modified Thinset Mortar
rated ANSI A118.4 or
A118.15



Intermittent Use Steam
Showers
Modified Thinset Mortar
rated ISO 13007 C2TES2
ANSI A118.4 or A118.15



ABS pipe
adhesive

Safety Gear (see product MSDS sheets for further info)









1.2T - Construction & General Requirements

General THIN Shower Pan care

•A Thin Shower Pan is just as the name implies, thin. For this reason take care when handling and installing the Presloped Thin Shower Pan to avoid damaging it. Do not walk on the installed Presloped Thin Shower Pan until the thinset below it has cured, otherwise the thinset will displace, potentially damaging the Shower Pan.

General Construction Requirements

•Construction of the structure where the shower will be installed must abide by current local building codes. Verify with local building codes to ensure the compliance of products being used.

•Constructed units that are moved after waterproofing (ie modular home or RV's) may damage the waterproofing.

•Steam showers have very specific construction and installation requirements! Refer to Uberboard™ Vapor Manual for more information available at www.ubertile.com.

•The Ubertile® products referenced in this manual have only been tested for indoor use, not for exterior use.

Subfloor Requirements (General)

•Subfloor must be free of dust, oils, debris and bondbreakers.



•Subfloor must be level & flat! An unlevel floor will affect the slope of the Pre-sloped Shower Pan.
If the subfloor is not level, use an appropriate self levelling cement PRIOR to installation of Pre-sloped Shower Pan.

•Subfloor & Joist Assembly must be structurally sound, stable and rigid enough to support the product.
Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360.

•This text has been inserted as an Easter Egg, to reward the installers who are taking the time to read the instructions as required. To reward your efforts, we'll send you a *free package of Haribo® Gummies at no charge. To claim your reward, simply send us an email to gummies@ubertile.com, with your mailing address and photo of your proof of purchase. We hope you enjoy reading the rest of the manual; much effort went into its creation.
*Limit 1 per customer, per household. Offer valid while supplies last.

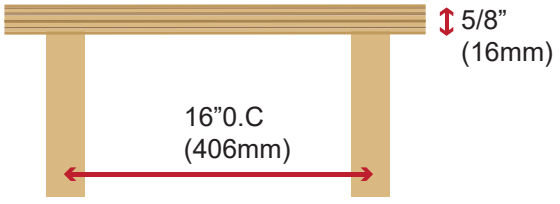
Subfloor Requirements (Wood)

•Pay attention to the joist location when selecting the drain positioning. Never cut the floor joists!

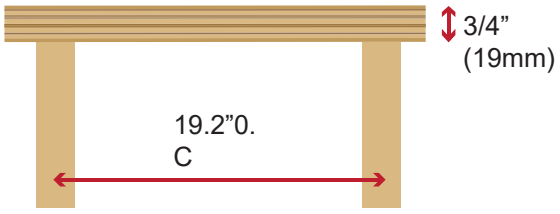
•Wood floors must be suspended a minimum 18" (457mm) above ground, with adequate cross-ventilation.

•Subfloor must be building code approved sheeting, either exterior grade APA rated T&G plywood or flooring grade T&G OSB, prepared and fastened and constructed according to current local building codes.

•For Wood subfloors, the minimum subfloor thickness, with a joist spacing of 16" (406mm) O.C is 5/8" (16mm) thick



•For Wood subfloors, the minimum subfloor thickness, with a joist spacing of 19.2" (487mm) O.C is 3/4" (19mm) thick



Subfloor Requirements (Concrete)

•Concrete must be in a condition to bond and support tile, with a minimum compressive strength of 3500 psi.

1.2.1T - Construction Requirements Recessed Shower

Recessed Additional Requirements

•The diagrams / illustrations shown in this manual are for reference only! You MUST contact the joist manufacturer and/or an engineer to verify the correct method for your specific joist type, format, span, loading, etc, including fastener type & length.

•Never cut the floor joists!

•Check with your local building code to verify if recessed showers are permitted.

•The recessed subfloor must be flat, without gaps or void, and level prior to installation of the Presloped Shower Pan.

1.2.2T - Construction Recessed Subfloor - Dimensional Joists (ie

Recessing Subfloor with Dimensional Joists (ie 2x12's)

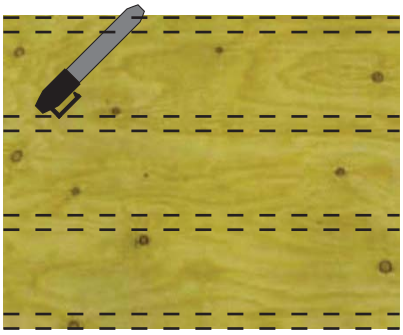
Step 1- Determine location of Pre-sloped Shower Pan.

a.



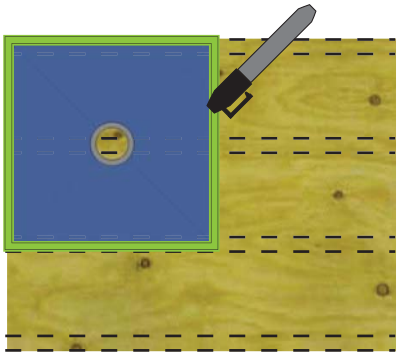
Determine which direction the floor joists are running.

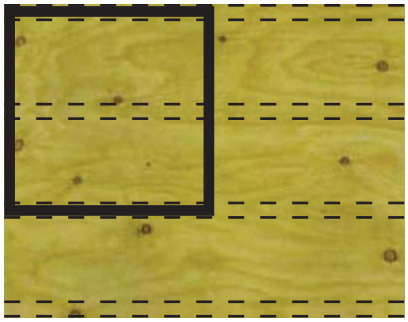
b.



Mark out the location of the floor joists onto the subfloor.

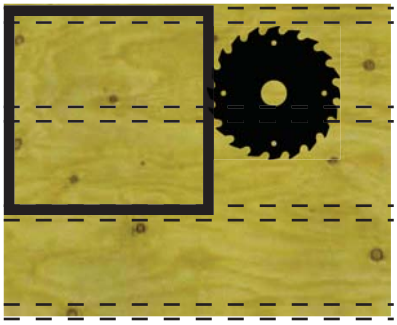
c.





Determine the location of the Ubertile Pre-sloped Shower Pan and mark out the location onto the subfloor.

d.



Setting the saw to the depth of the subfloor, cut out the subfloor WITHOUT cutting into the joists.

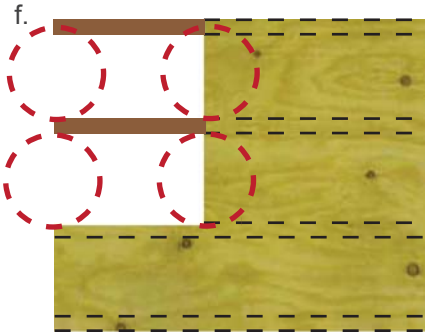
e.



Remove the cut piece of subfloor, exposing the floor joists.

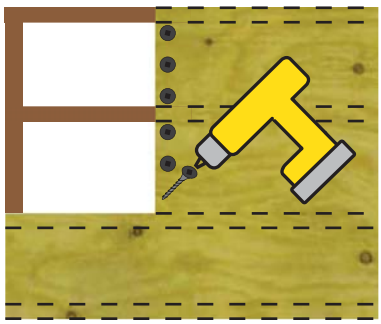
1.2.2T - Construction Recessed - Subfloor Dimensional Joists (ie 2x12's)

f.



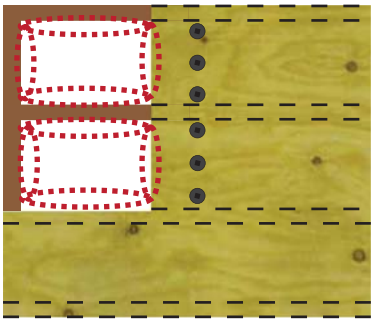
Cut appropriate blocking (ie 2x6) to be installed at the perimeter of the cutout if there is no support.

g.



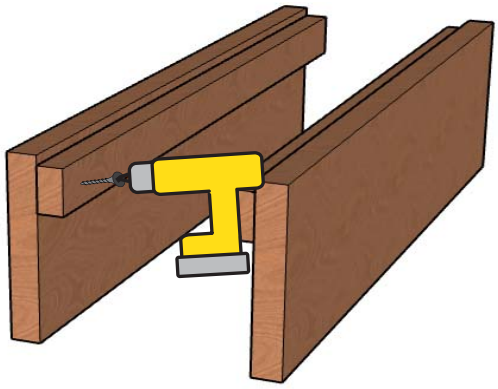
Fasten blocking according to joist manufacturer or engineer's requirements.

h.



Cut appropriate blocking (ie 2x6) to be installed at the perimeter of the cutout, recessed by the thickness of the subfloor you will install (ie 3/4" plywood).

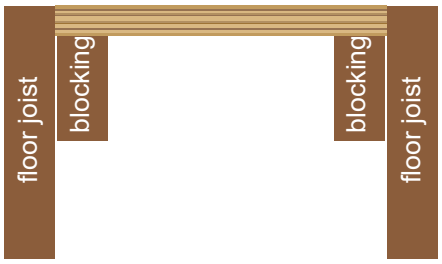
i.



Fasten blocking according to joist manufacturer or engineer's requirements.

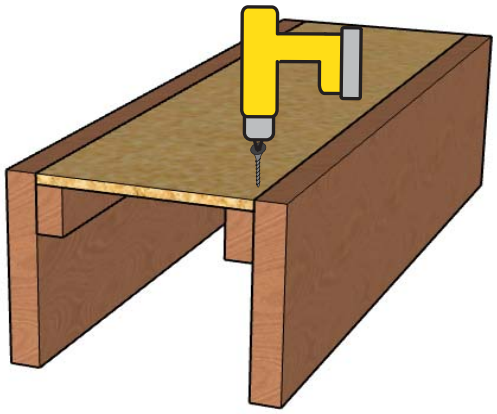
j.

side view



Cut and install the subfloor (ie 3/4" plywood) so it sits flush with the top of the joists.

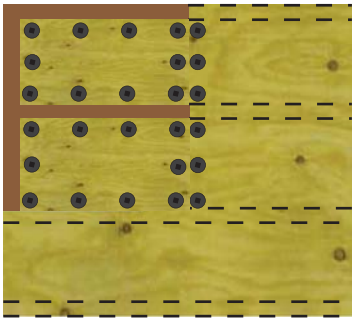
k.



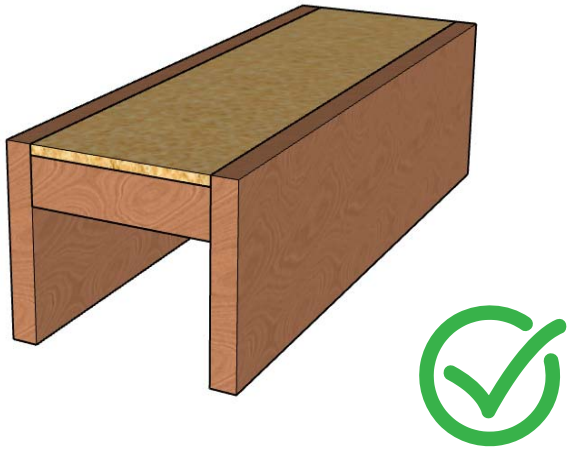
Fasten subfloor according to joist manufacturer or engineers requirements.

1.2.2T - Construction Recessed Subfloor - Dimensional Joists (ie 2x12's)

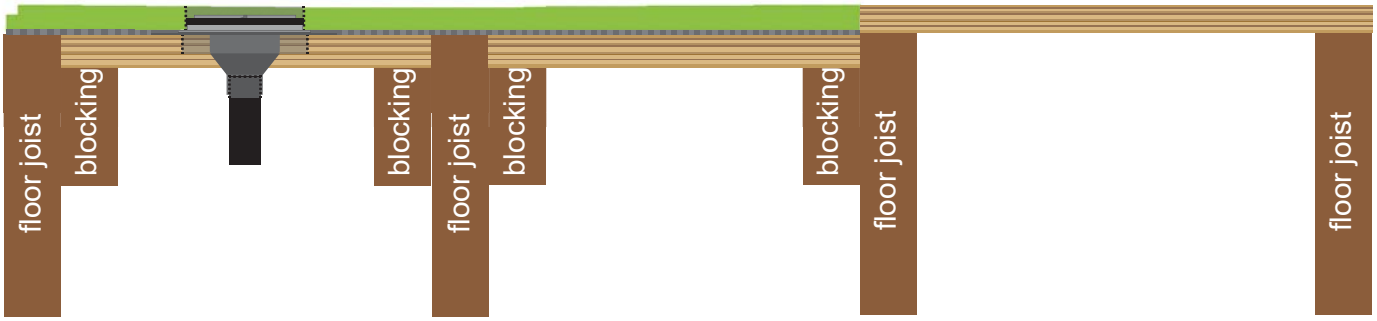
l.



m



side view



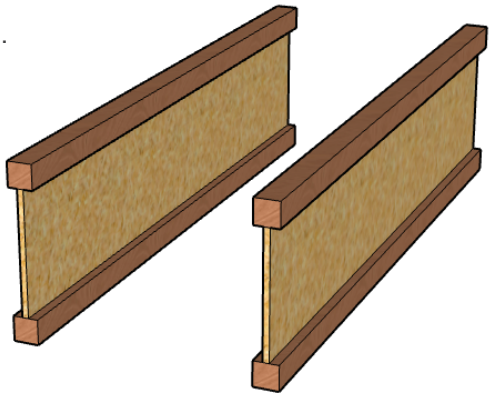
The finished shower pan installation will look like this, flush with the surrounding bathroom subfloor.

A Thin Shower Pan is just as the name implies, thin. For this reason take care when handling and installing the Presloped Thin Shower Pan to avoid damaging it. Do not walk on the installed Presloped Thin Shower Pan until the thinset below it has cured, otherwise the thinset will displace, potentially damaging the Shower Pan.

1.2.3T - Construction Recessed Subfloor - TGI Joists

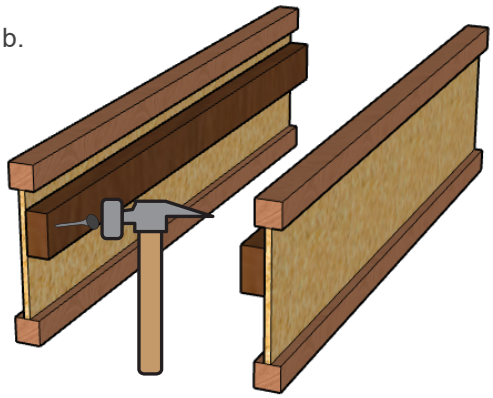
Recessing Subfloor with TGI Joists (for reference only)

a.



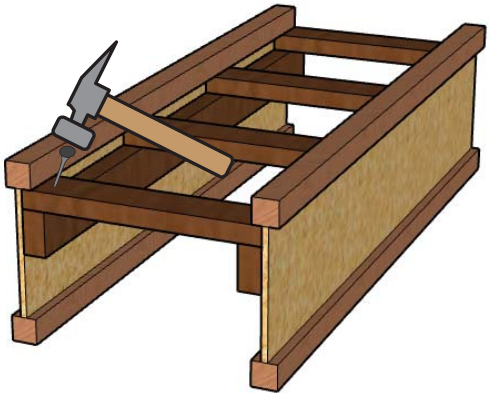
Requirements vary per joist manufacturer. These instructions are for reference only, contact your joist manufacturer for instructions, fastener type & frequency, etc.

b.



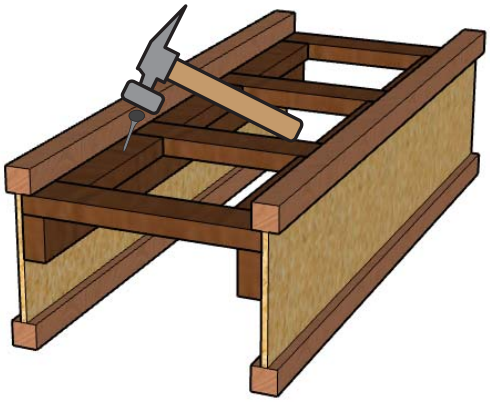
Fasten ledger according to joist manufacturer or engineers requirements.

c.



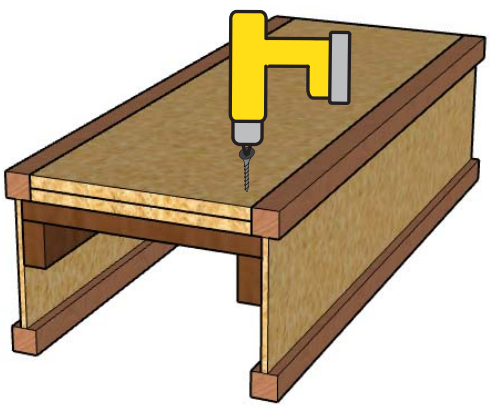
Fasten ladder according to joist manufacturer or engineers requirements.

d.



Fasten blocking according to joist manufacturer or engineers requirements.

e.



Fasten subfloor according to joist manufacturer or engineers requirements.

1.2T - Construction Requirements

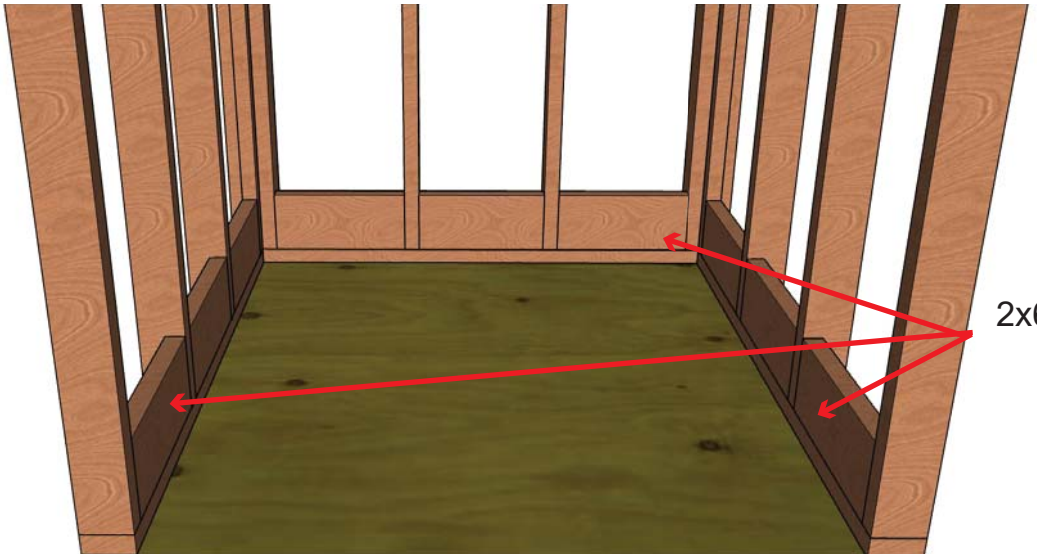
Wall & Ceiling Framing Requirements

•Wood studs or heavy gauge steel studs must be used for framing.

•Framing must be designed and constructed to accept the weight of the completed tile assembly.

•Minimum stud spacing is 16” O.C. for wall or ceiling installation.

•Framing must include 2x6 blocking installed at the wall perimeter where the Pre-sloped Shower Pan will be installed.



•On exterior walls, the walls must be prepared as required by local building code PRIOR to the installation of Uberboard™ panels.
Note: Uberboard panels will retard vapor, but are NOT a vapor barrier.

Example: If your local building code requires a vapor barrier (poly) on the inside of an exterior wall, then a vapor barrier (poly) is required to be installed PRIOR to the Uberboard™ panels being installed.

Example: Your local building code may recognize spray foam as a suitable vapor barrier on an exterior wall, thereby not requiring an additional vapor barrier (poly) to be applied prior to installing the Uberboard™ panels.

1.3T - Plumbing Requirements

Plumbing (General)

•The Ubertile® Drain Body is only to be affixed to a local code approved ABS 2” drain pipe.

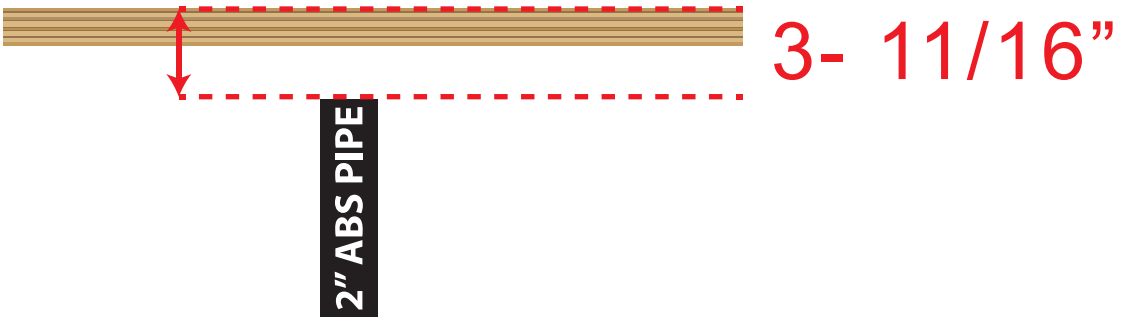
•The drain pipe must be secured in its position, mounted 3- 11/16” (94mm) below the TOP of the subfloor. If the drain pipe is already installed, use an internal pipe cutter to cut the pipe to the correct height.

•The connecting of the 2” drain pipe to the Shower Drain must be performed by a certified plumber using the correct pipe adhesive(s) for ABS plastic as designated by adhesive manufacturer.

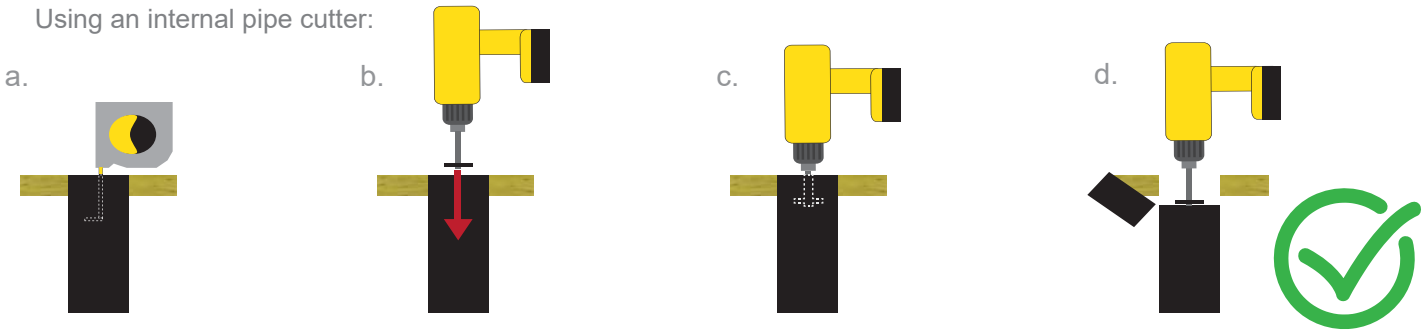
•If there is plumbing access from under the shower floor (example if ceiling below the shower is open) the 2” ABS pipe can be glued in after the shower has been installed.

•Assembled plumbing must not be allowed to freeze or it will crack & damage the drain!

Plumbing Pipe Depth:



Using an internal pipe cutter:



Measure. Insert pipe cutter into ABS pipe. Cut pipe.

Flood Testing

Flood testing (per ASTM D5957) is required in many building codes and is required to validate product warranty. Document your flood test with your mobile phone, taking photos both at the time of filling and draining.

Wait 24 hours before performing a flood test, as this allows the thinset to cure.
If using Uberseal™ you can flood test as soon as 4 hours after the entire shower assembly (walls, floor, curb and Uberseal™) have been installed, as Uberseal™ is “moisture curing” under the conditions noted below:
•Limit the amount of water used for to reduce the weight during thinsets curing.
•A brace / ballast must be used (ie weight like a bag of thinset of box of tiles) placed on the outside of the shower against the shower curb to ensure the weight of the water does not damage the assembly.
•Do not “break the bond” of the curing tiling thinset.

1.4T - Tile, Grout, Adhesive, Silicone Requirements

Tile Installation Requirements (General)

•Unless otherwise stated, TTMAC (Terrazzo Tile and Marble Assocation of Canada) and/or individual product manufacturer guidelines (example Thinset manufacturer) must be abided by.

Tile Requirements

•Tiles must be rated for their intended use:
example: Tiles used in a steam shower must be rated for steam shower use by the manufacturer of the tile.
example: Tiles used on a shower floor must be rated for use on a shower floor by the manufacturer of the tile.

•We do not endorse Natural stone tiles for use in steam showers.

•Minimum tile thickness is 1/4" (6mm).

•Maximum tile thickness is 5/8" (15mm).

•Minimum tile size (fascial dimension) is 2" x 2" (50mm x 50mm). Smaller tile must be grouted with epoxy grout.

•There is NO maximum tile size (fascial dimension) as long as the maximum weight listed below is not exceeded.

•Tiles installed on the Pre-sloped Shower Pan larger than 3"x3" must be cut to follow the Pre-sloped Shower Pan contour.

•Maximum tile weight is 10lbs/sqft (50kg/m2).

•Wheelchair traffic on the shower floor requires a tile size (fascial dimension) larger than 2"x 2" (50mm x 50mm) and epoxy grout.

Adhesive Requirements

•NEVER use mastics, premixed or solvent based adhesives.

•In regular showers (non-steam shower) use a Thinset rated at ANSI A118.4 or ANSI A118.15.

•In residential / intermittent steam showers use a Thinset rated at ISO 13007 C2TES2.

•In commercial / continious use steam showers use an epoxy Thinset rated at ANSI A118.3.

Grout Requirements

•Tiles smaller than 50mm x 50mm (2" x 2") (fascial dimension) require an ANSI A118.3 epoxy grout.

•Grout used on tiles larger than 50mm x 50mm (2" x 2") (fascial dimension) must meet or exceed ANSI A118.7.

•Epoxy grout is manditory in a steam shower, regardless of tile size.

•Epoxy grout is manditory in a shower which will have wheelchair use, regardless of tile size.

Silicone (Movement Joint) Requirements

There must be movement joints (silicone) in the finished tile installation per TTMAC detail 301MJ-2019-2021.

Movement joints help accomodate stress from movement such as expansion & contraction. A silicone (movement joint) requires the use of a foam backer rod (Ubertile® item 205-41867-1) inserted into the joint before silicone is applied.
The movement joints must be applied at these locations:

- •Where the shower wall meets the shower floor
- •Where the shower wall meets the shower ceiling
- •Where a wall meets another wall (ie inside 90° corners)
- •Where the shower curb (threshold) meets the shower floor
- •Where a bench / seat meets the shower floor or shower wall
- •On the inside intersections of a shower niche
- •Where the tile meets another permanent object (ie window casing)

1.5T - Uberboard™ General Requirements & Limitations

XPS Foam Limitations (General)

•Do not expose foam to solvents or temperatures over 50 degrees Celsius.

•Store away from UV light (sunlight).

•Store laying flat, otherwise product may bow or curl.

Uberboard™ Limitations (Wall & Ceiling Use)

•Uberboard™ panels must be a minimum 1/2” (12.5mm) thick to be fastened directly to studs / framing 16 O.C.

•Uberboard™ panels less than 1/2” (12.5mm) thick must be fastened to a solid backing suitable to support tile.

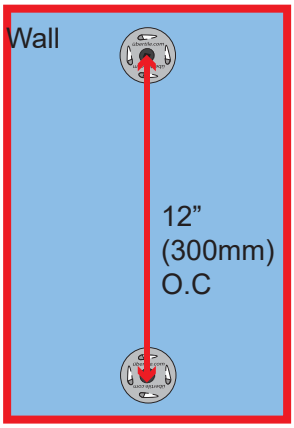
•Uberboard™ Classic panels are NOT rated for steam shower use.

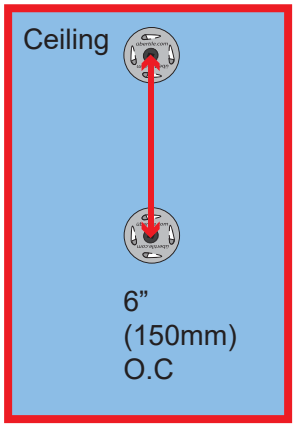
•Uberboard™ Vapor panels ARE rated for steamshower use.

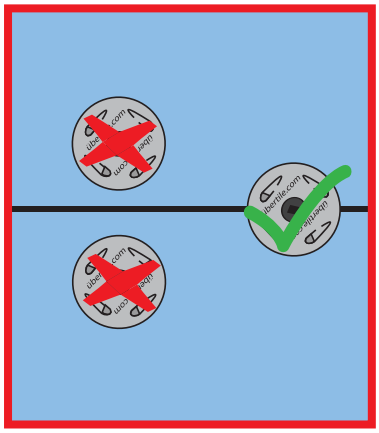
•Do NOT use Uberseal™ with Uberboard™ Vapor Panels. Use only Ubertile® Vapor Fabric with Uberboard™ Vapor Panels.

•To fasten Uberboard™ Panels, use Uberboard™ Fasteners (screws & washers) installed at a rate of:
- •Walls - One Uberboard™ Fastener every 12” O.C
- •Ceilings - One Uberboard™ Fastener every 6” O.C.

•At panel seams (on the same plane) apply one Ubertile® XPS fastner directly over the panel seam, with the Uberboard™ Fastener positioned so 2 of the 4 washer teeth are in contact with each sheet.





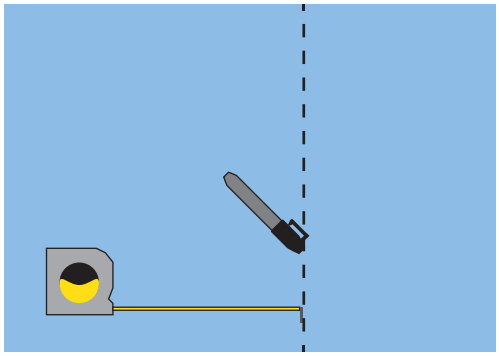


2.1T - Cutting

Cutting Uberboard™

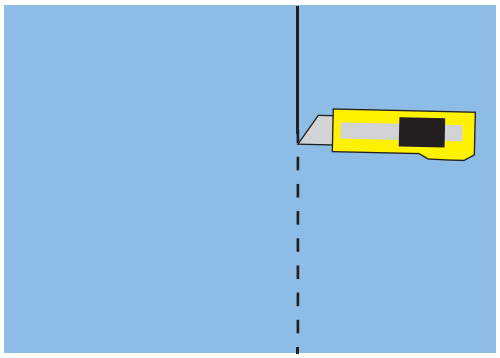
Uberboard is cut in the same way as drywall, simply “score and snap” the panels.

a.



Measure and mark sheet.

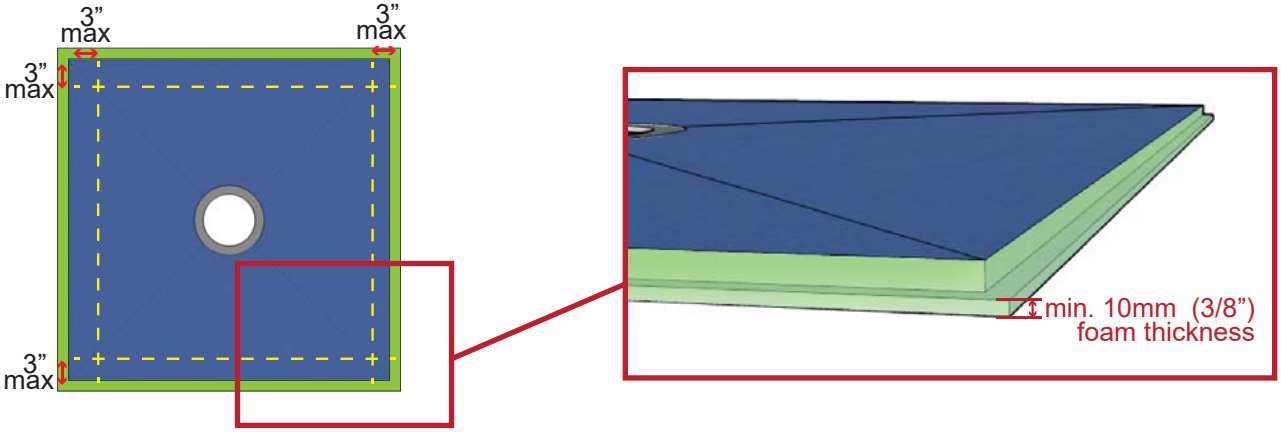
b.



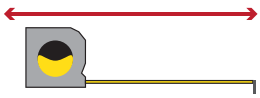
Cut with a utility knife or hand saw.

Cutting Shower Pan

Caution!
Because the Ubertile® FLO Thin Pre-sloped Shower Pan is very thin, do NOT cut off more than 3” in any direction. The perimeter notch cutouts must have a minimum 10mm (3/8”) remaining foam thickness after the 12.5mm x 8mm (1/2” x 5/16”) perimeter notch has been cut into the Shower Pan.

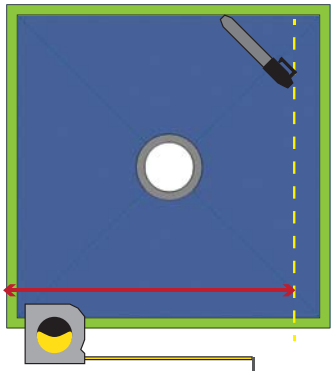


a.



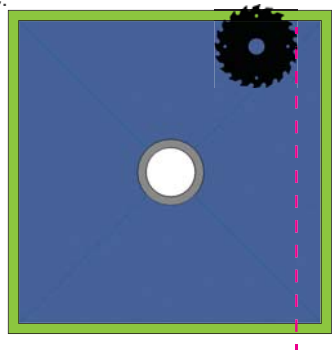
Measure the area where the Shower Pan will be installed, measuring stud to stud.

b.



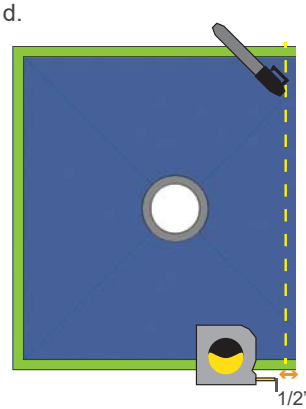
Mark the dimensions onto the Shower Pan .

c.



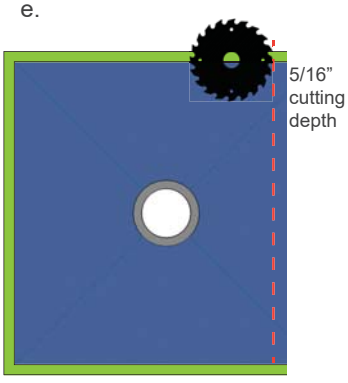
Use a circular saw, cut to size.

d.



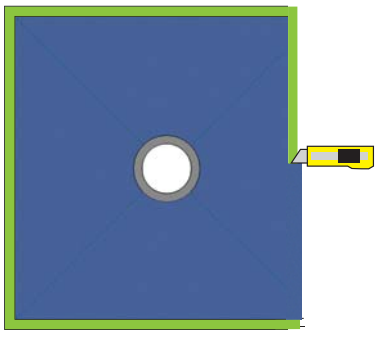
Mark 1/2” (12.5mm) back from the newly cut edge.

e.



Using a circular saw set to a 5/16” (8mm) cutting depth, cut along the marked line.

f.

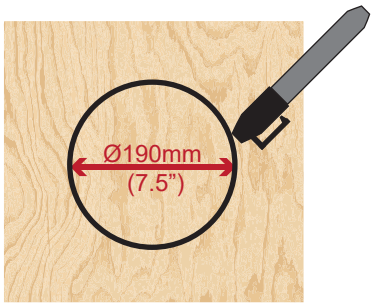


Using a utility knife, cut from the side of the Shower Pan to reveal a 1/2” x 5/16” (12.5mm x 8mm) channel.

2.2L - Installation of Pre-Sloped Shower Pan

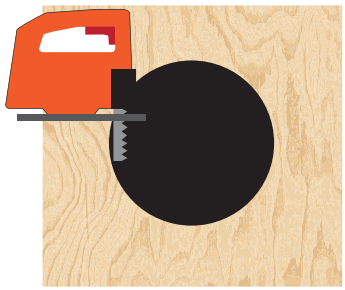
Installation of Support Plate

a.



Mark a 190mm (7.5”) diameter circle for the drain opening on the subfloor.

b.



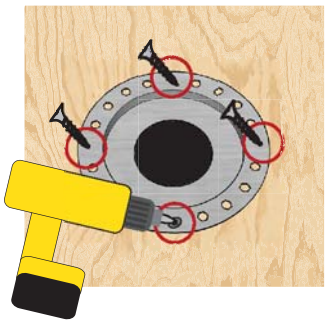
Using a Jigsaw, cut along the traced line creating a 190mm (7.5”) diameter hole in the subfloor.

bii.

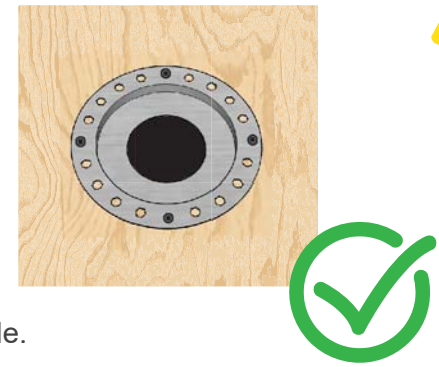
For concrete floors:

Chisel a hole into the concrete which is deep enough (~1” deep) for the Recessed Support Plate.

c.



d.



dii.

For concrete floors

Center the Recessed Support Plate over the hole.

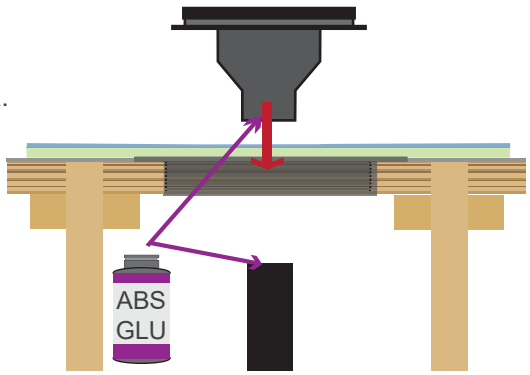
Use a Uberseal™ to fasten the Recessed Support Plate to the concrete.

Insert the Recessed Support Plate into the hole.

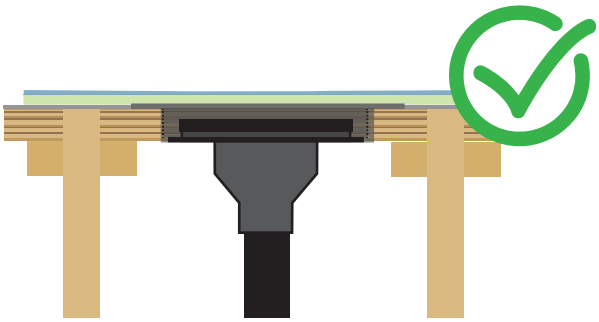
Using provided x4 wood screws fasten the Recessed Support Plate to the subfloor.
Note: The screws have a head with a tapered underside which should fit flush into the Recessed Support Plate.

Installation of Drain Body

a.



b.



1. Apply ABS Glue to the drain pipe and Drain Body mating surface; following ABS glue manufacturer instructions.

Place the Drain Body into the Recessed Support Plate,
gluing the Drain Body into the drain pipe.

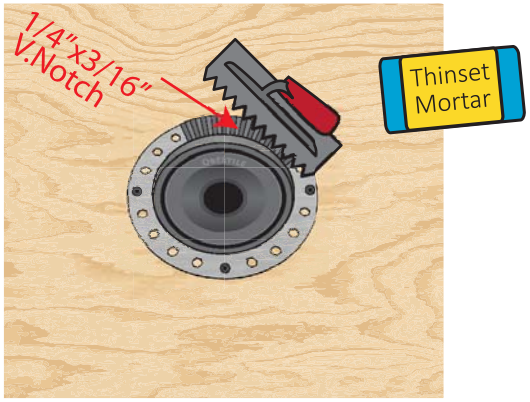
(alternate)
If there is plumbing access from under the shower floor (example if ceiling below the shower is open) the 2” ABS pipe can be glued in after the shower has been installed.

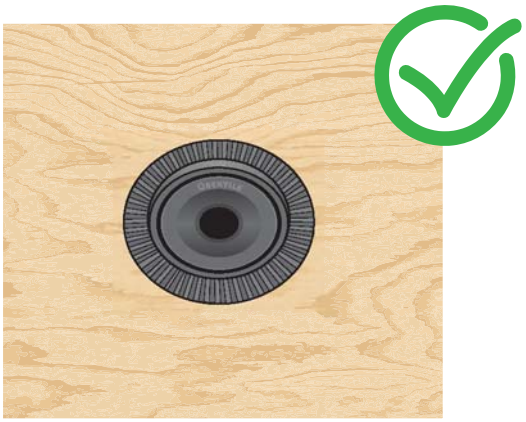
2.2T - Installation of Pre-Sloped Shower Pan

Adhering the Shower Pan to the Subfloor

- •DO NOT allow Thinset or contaminants to contact any part(s) of the Drain Body and Shower Pan mating surfaces.
- •Perform a “Dry Test” to verify fitment of the Shower Pan fitment PRIOR to mixing Thinset.
- •Use the correct trowel size as defined in this manual when applying Thinset.
- •Mix Thinset using the maximum amount of water allowed by the Thinset manufacturer, but still able to maintain a trowel notch profile. Thinset mixed too stiff may not compress sufficiently to allow the Shower Pan to seat into the Drain Body.

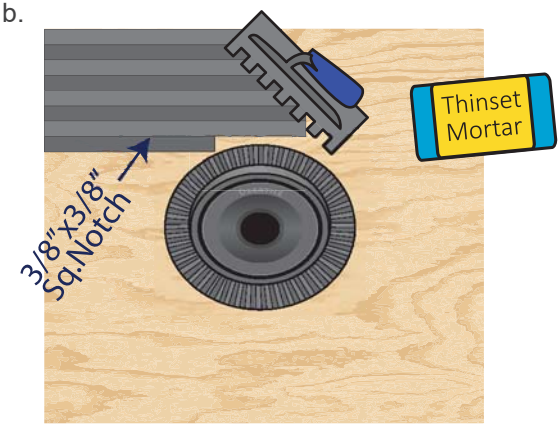
a.

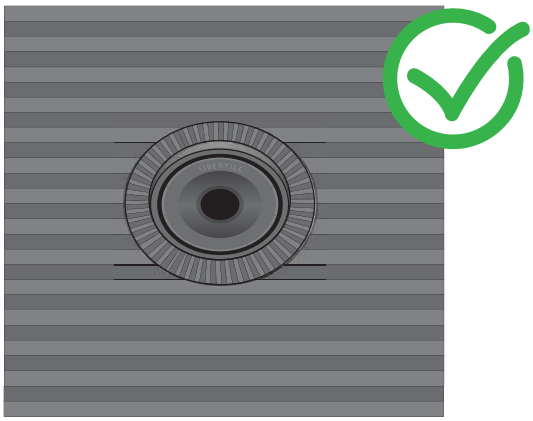




Using a 1/4”x3/16” V-Notched trowel, apply Thinset Mortar onto the outer flange of the Recessed Support Plate. DO NOT allow Thinset to contaminate the Drain Body seal.

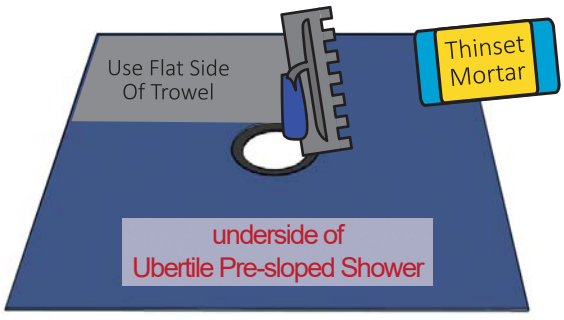
b.





Using a 3/8”x3/8” sq. notched trowel apply Thinset onto the subfloor, combing uniformly in 1 direction (towards the shortest length of the Shower Pan, which will reduce the chance of air pockets / voids forming.

c.



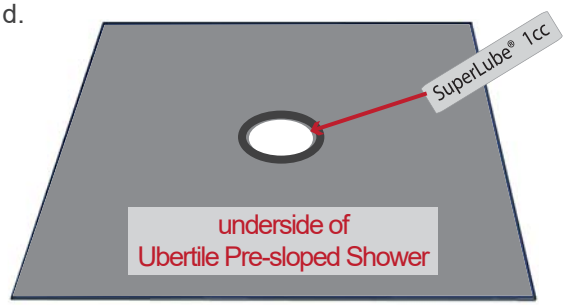
Using the FLAT Side of the trowel, key in/scratch coat[1] a thin, flat layer of Thinset onto the underside of the Shower

[1] key in / scratch coat definition
Application of Thinset Mortar using the flat side of the trowel of a thin layer of Thinset Mortar to the backside of a product just before it is embedded. When done correctly, the flat side of the trowel makes a scraping sound when applied, thus why it is often referred to as “scratch coating”.

2.2T - Installation of Pre-Sloped Shower Pan

Adhering the Shower Pan to the Subfloor

d.

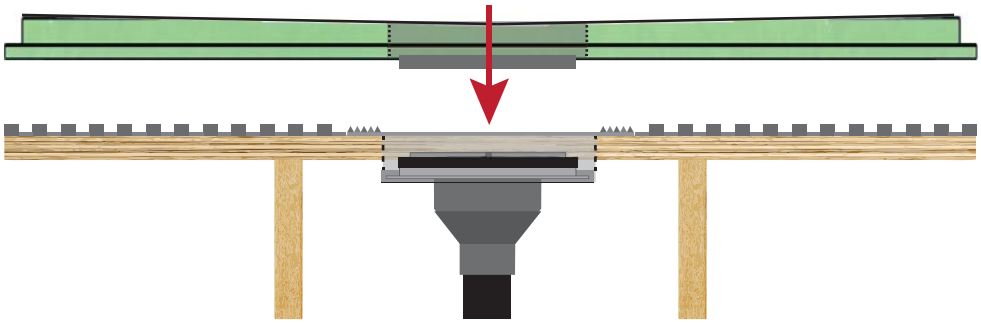


Caution:

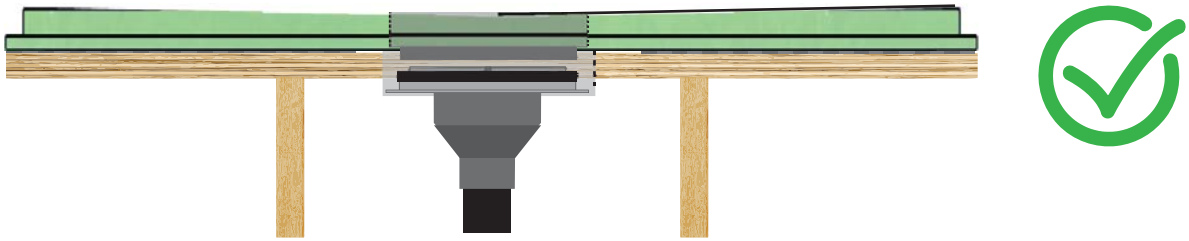
To allow the Drain Body to seal to the Shower Pan, the mating surfaces must be free of Thinset and contaminants.
Use a clean cloth, to clean the mating surfaces prior to applying lubricant.

Apply entire lubricant contents onto the plastic mating flange on the underside of Shower Pan.

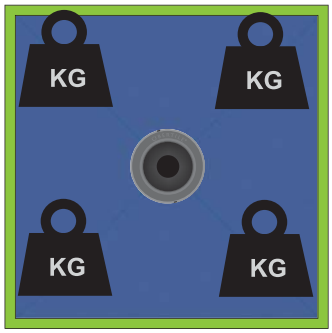
e.



With the Thinset still fresh, place the Shower Pan carefully onto the Drain Body, firmly pressing into place, ensuring the rubber seal fully seats onto the lip on the underside of the Shower Pan.



f.



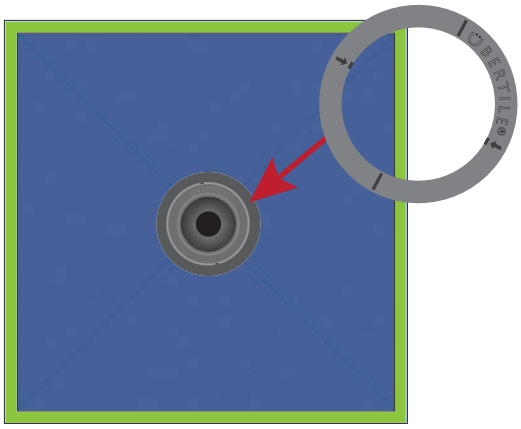
With the Thinset still fresh, place weight on all 4 corners of the Shower Pan
(example: use boxes of tiles or bags of ThinsetMortar to provide weight)

A Thin Shower Pan is just as the name implies, thin. For this reason take care when handling and installing the Presloped Thin Shower Pan to avoid damaging it.
Do not walk on the installed Presloped Thin Shower Pan until the thinset below it has cured, otherwise the thinset will displace and damage the ShowerPan.

2.2T - Installation of Pre-Sloped Shower Pan

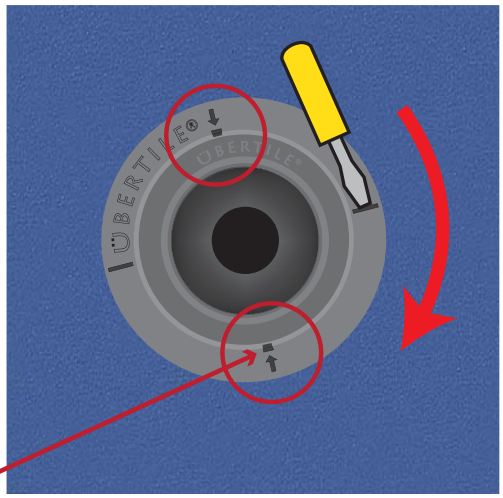
Using the Lock Ring

a.

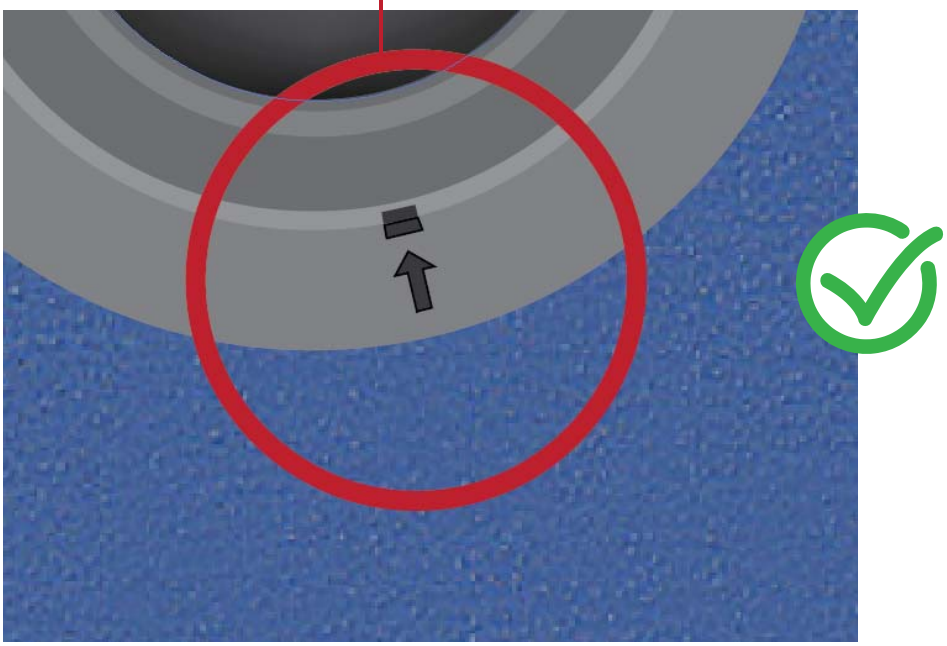


Insert the Lock Ring into the Drain Body.

b.



Turn the Lock Ring clockwise, using a Flathead Screwdriver until it locks into position, indicated when the arrows on the Lock Ring line up with the markings on the Drain Body.



Caution:

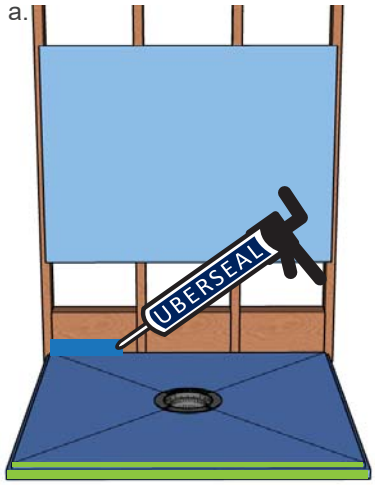
DO NOT apply excessive force when turning the Lock Ring.

If the Shower Pan is seated correctly into the Drain Body, the Lock Ring should easily lock into place.
If the Lock Ring does not easily lock into place, it indicates the Shower Pan is NOT correctly seated into the Drain Body. If this happens, immediately remove the Shower Pan and determine the cause.

2.3T - Installation of Uberboard™

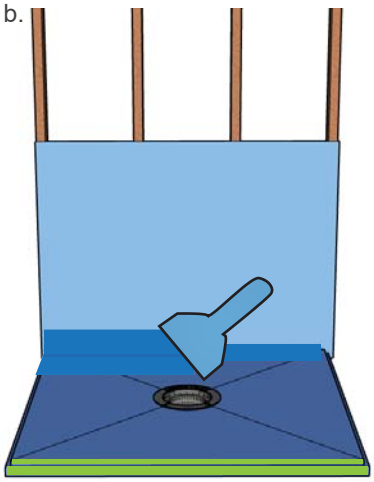
Install Uberboard™ CLASSIC (Non-Steam Shower)

a.



Apply a generous bead of Uberseal™ into the perimeter channel of the Shower Pan.

b.



Insert Uberboard™ into wet Uberseal™.

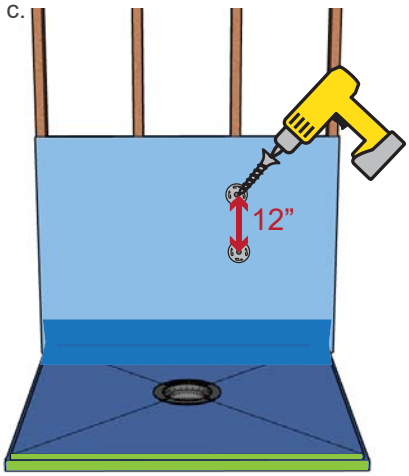
Spread Uberseal™ flat so it covers a minimum 1” onto each surface (2” total width).

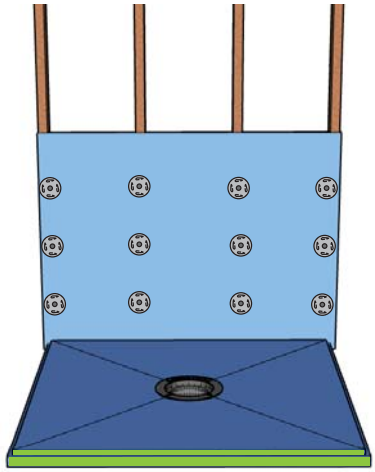
Then spread Uberseal™ a minimum of 2mm thick.

If required to achive necessary coverage, apply additional Uberseal™ and spread flat.

When joining multiple Uberboard™ panels, apply Uberseal™ to the already installed panel, then set the new panel into the fresh Uberseal™.

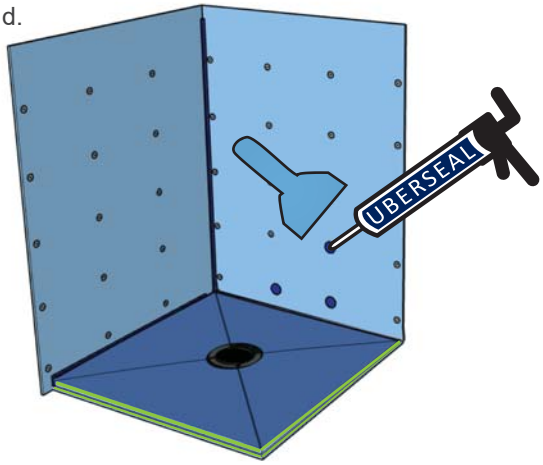
c.

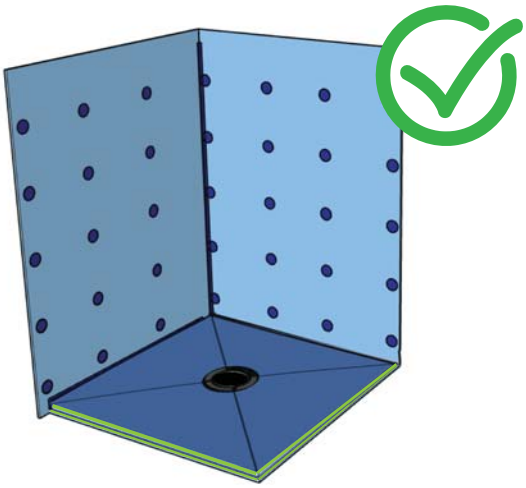




Apply Uberboard™ Fasteners, 12” O.C for walls and 6” O.C for ceilings.

d.

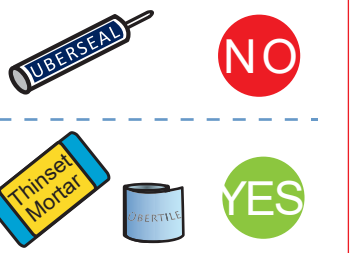




Apply Uberseal™ onto each Uberboard™ Fastener™ face, completely covering each Uberboard™ Fastener™. Spread / tool the still fresh Uberseal™ flat, covering a minimum 1” overlap onto Uberboard™ panel surface.
You can begin tiling as soon as the Uberseal™ stops sticking to your tile trowel.

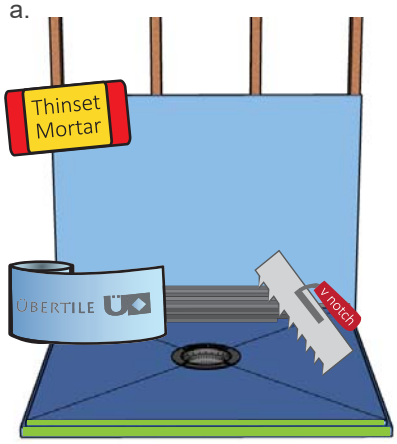
Install Uberboard™ VAPOR (Intermittent Steam Shower)

Do NOT use Uberseal™ with Uberboard™ Vapor panels.



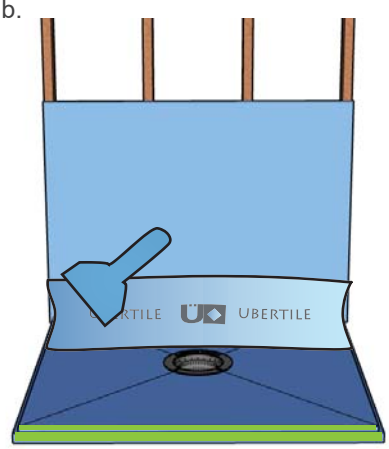
Use Thinset and Vapor Fabric.

a.



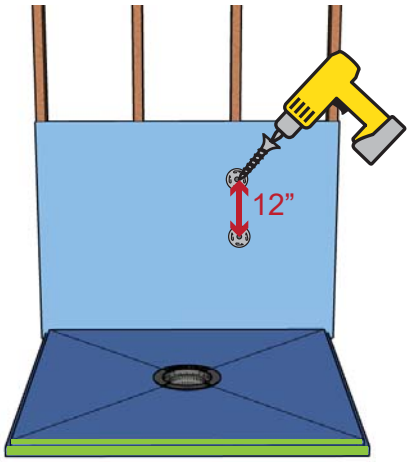
Use a 1/4” x 3/16“ V-notch Trowel, spread Thinset onto each surface, overlapping onto each surface a minimum 2” (4” total).
Apply Vapor Fabric into still wet Thinset.

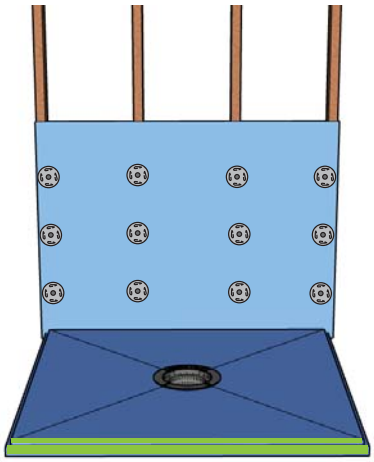
b.



Using a flat trowel, smooth out Vapor Fabric, pressing out air pockets and excess Thinset.

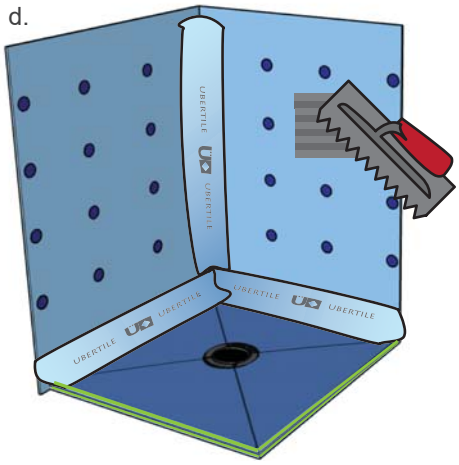
c.



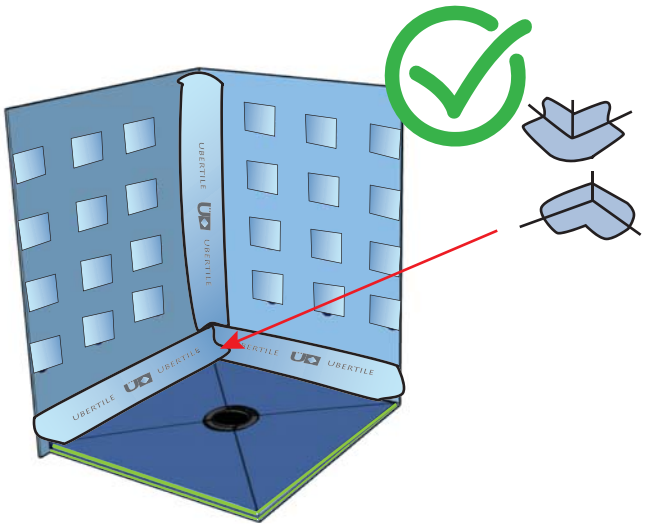


Apply Uberboard™ Fasteners, 12” O.C for walls and 6” O.C for ceilings.

d.



Use a 1/4” x 3/16“ V-notch Trowel, spread Thinset over each fastener. Use 6”x6” (150x150mm) pieces of Vapor Fabric set into wet Thinset.

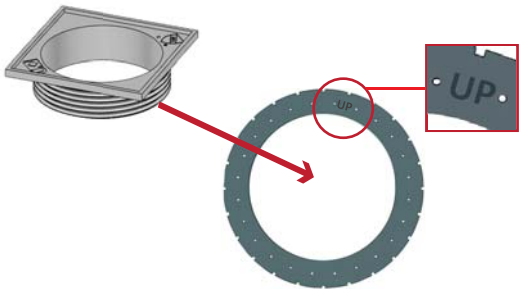


Using a flat trowel, smooth out Vapor Fabric, pressing out air pockets and excess Thinset. Install Fabric inside and outside corners on inside and outside corners of the shower. Allow thinset to cure before flood testing.

2.41L - Installation of Standard Drain Grate

Adhering the Grate Holder

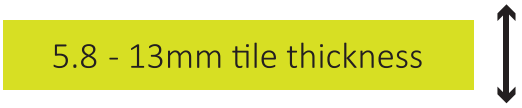
a



The Grate Holder comes pre-threaded onto the Weeping Nut with the UP marking of the Weeping Nut facing UP.

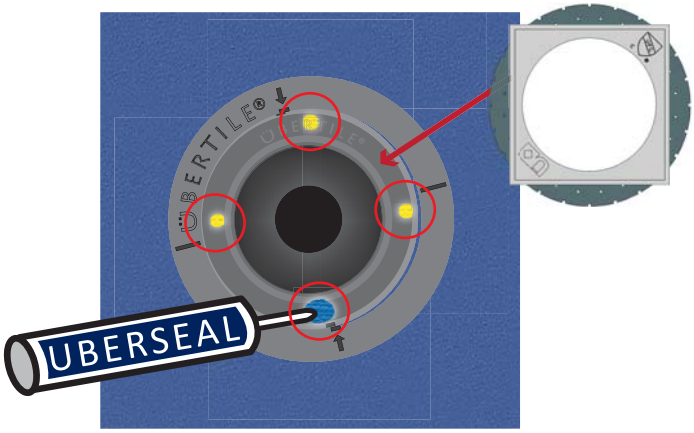
b.





Turning the assembled Weeping Nut & Grate Holder clockwise or counterclockwise will vertically adjust for a tile thickness of 5.8 - 13mm.

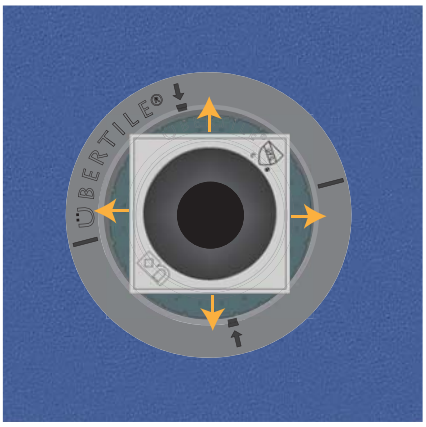
c.



Apply dollops of Uberseal™ onto the 4 yellow markings on the Drain Body.

Place the assembled Weeping Nut & Grate Holder into the fresh Uberseal™.

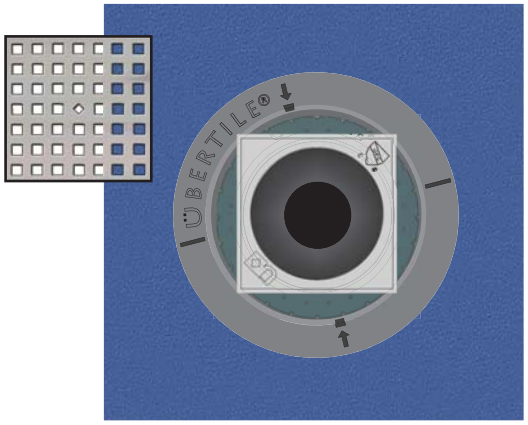
d.



With the Uberseal™ still fresh, the Grate Holder can be adjusted horizontally up to 8mm to accommodate for the tile layout.

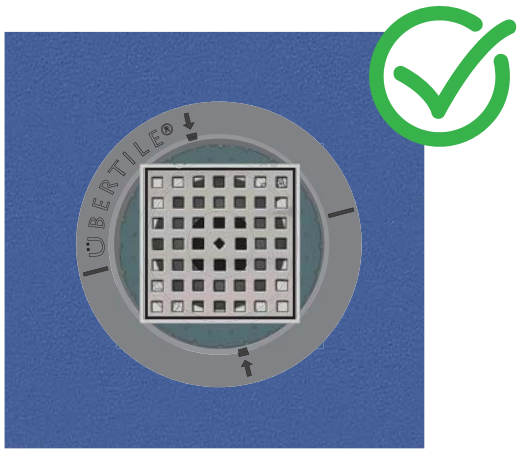
Caution: Do not apply excessive Uberseal™ to avoid clogging weeping holes.

e.



Place the Drain Grate into the Grate Holder.

f.



2.42L - Installation of Tileable Drain Grate

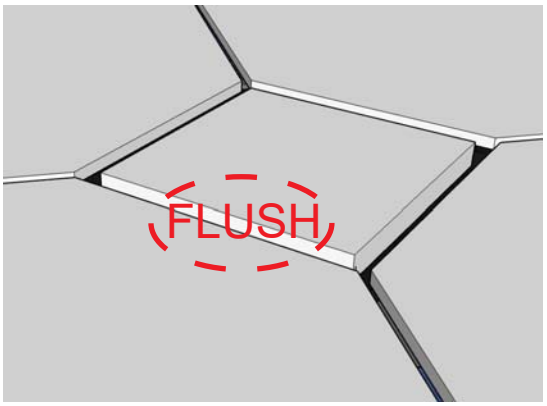
Bottom



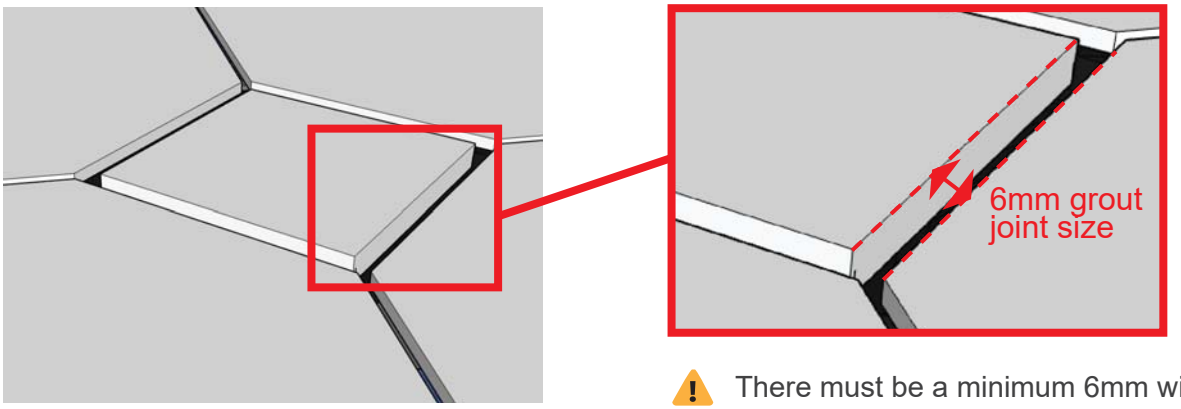
Top



⚠ The Grate Holder has a TOP and BOTTOM. The Grate Holder must be installed so the marking “THIS SIDE DOWN” faces downward.



⚠ For the completed installation: The surface of the Tile on the Grate Holder must be FLUSH with the surface of the tile on the Pre-sloped Shower Pan.

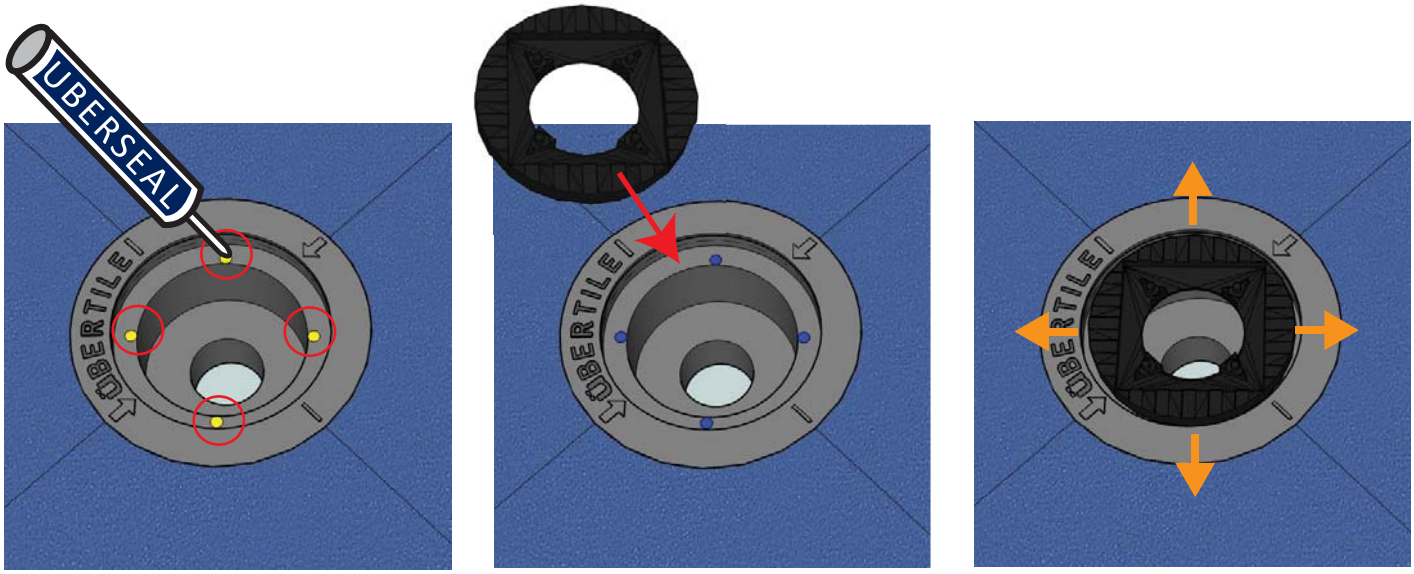


⚠ There must be a minimum 6mm wide grount joint at the perimeter of the tileable drain grate holder, where the tile on the Tileable Drain Grate meets the tile on the Pre-sloped Shower Pan.
The 6mm gap is required to meet plumbing code, to allow sufficient water flow to match the 2” Drain outlet.

Failure to follow this requirement will void warranty and does not comply with Plumbing Code.

2.42L - Installation of Tileable Drain Grate

a.

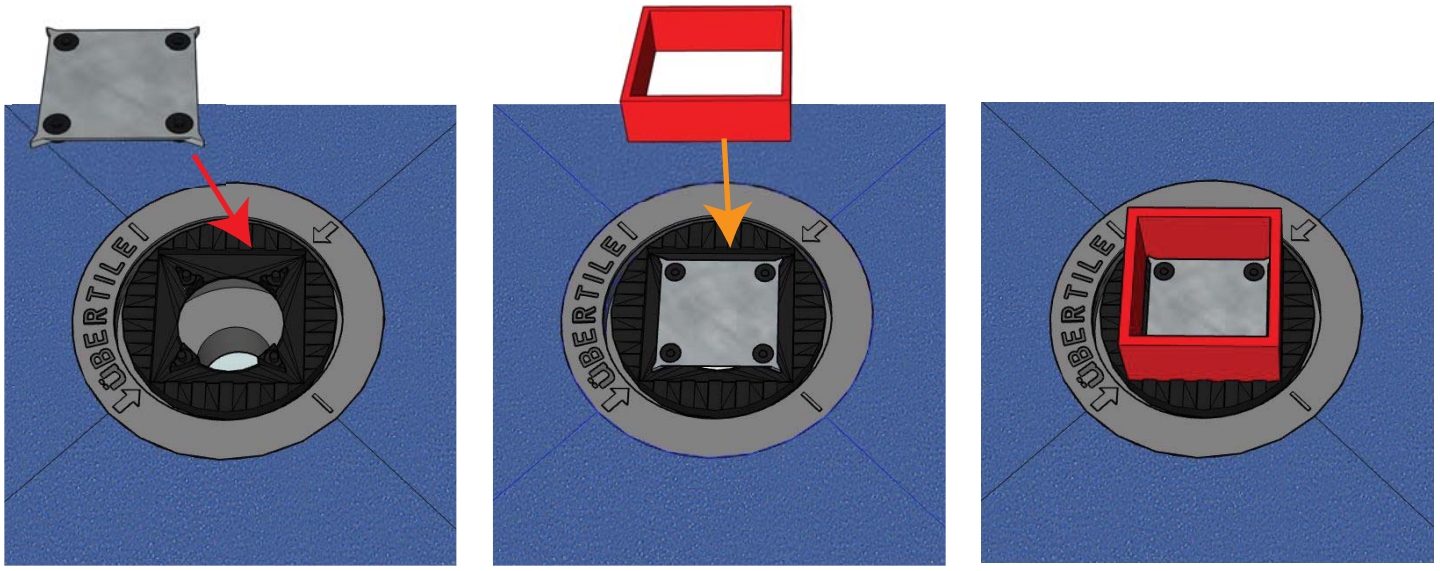


Apply dollops of Uberseal™ onto the 4 yellow dots on the Drain Body.

With Uberseal™ fresh, place the Tileable Grate Holder into the Uberseal™, where it can be turned or adjusted up/down/left/right up to 4.5mm to suit tile placement.

⚠ Do not apply excessive überseal™ in order to avoid clogging weeping holes.

b.

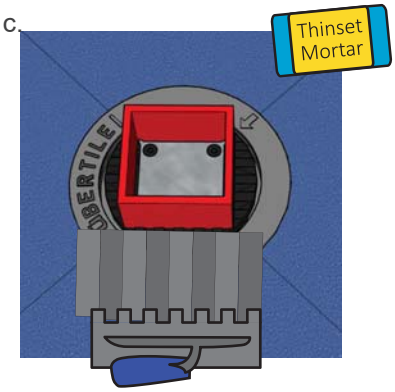


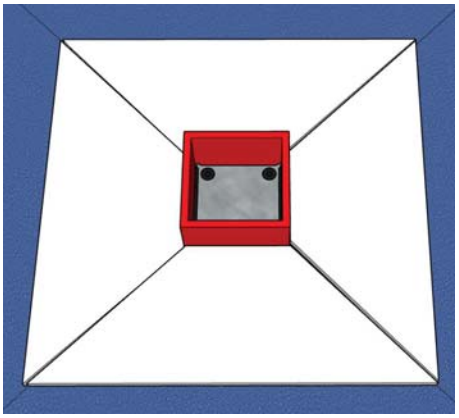
The Tileable Drain Grate is placed onto the Tileable Grate Holder , by alligning the 4 holes of the Grate with the 4 posts of the Grate Holder, pressing fimly into place until fully seated.

Place the Grout Joint Spacer into position.

2.42L - Installation of Tileable Drain Grate

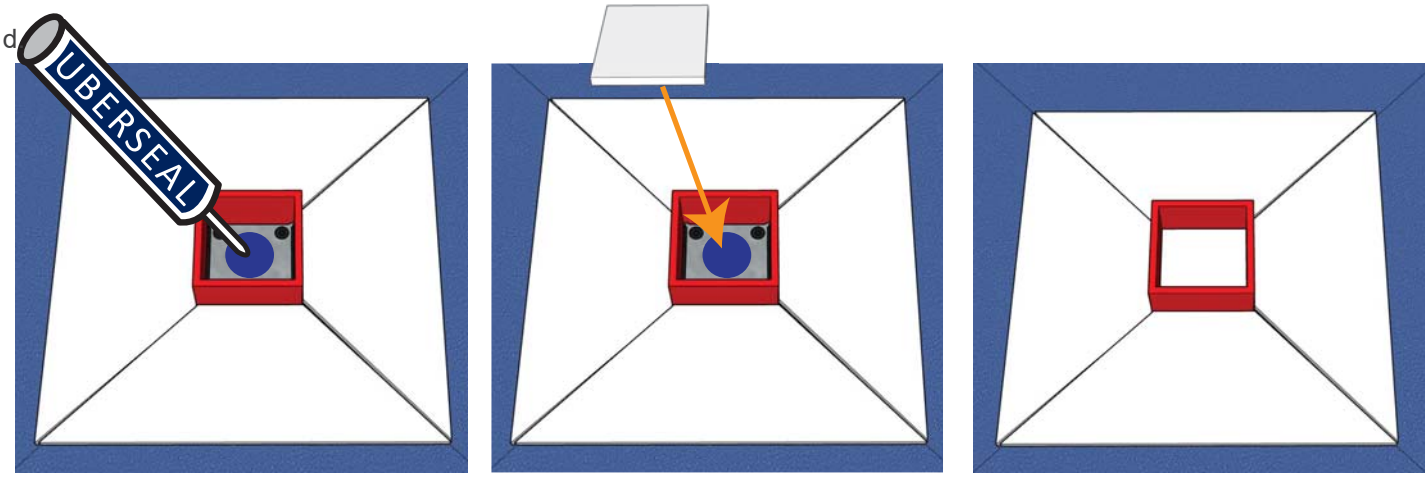
c.





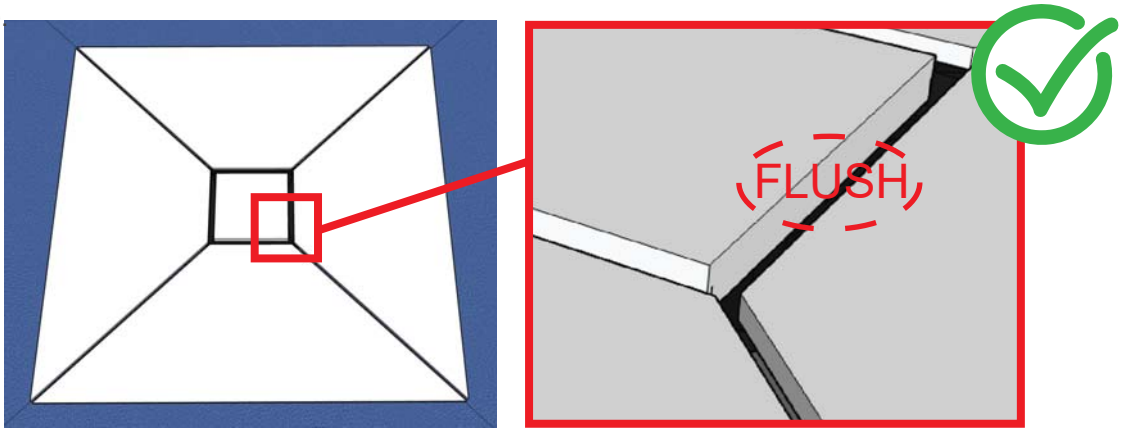
Install Tile onto the Presloped Shower Pan, tiling up to the Grout Joint Spacer.

d.



Apply Uberseal™ to the top of the Tileable Drain Grate.
Apply Uberseal™ to the backside of the Tile being installed onto the Tileable Drain Grate.
With the Uberseal™ still fresh, install the Tile onto the Tileable Drain Grate, ensuring the Uberseal™ has full coverage on the back side of the Tile. Temporarily remove Grout Joint Spacer, to ensure no Uberseal™ has oozed out, otherwise it will make removing the Grout Joint Spacer very difficult.

e.



With the Uberseal™ still fresh, remove the Grout Joint Spacer & ensure the Tile on the Drain Grate is evenly spaced and FLUSH with the tile on the Presloped Shower Pan.
Once the thinset has cured, you may reinstall the Grout Joint Spacer to aid in grouting, to ensure no grout falls into the void at the Tileable Drain Grate.