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ÜBERTILE®
Technology for Tiling

Ubertile® **LINEAR** Waterproof Pre-sloped Shower Pan Installation Manual

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Pour voir le manuel en français
To view most current manual

Technical Questions?
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tech@ubertile.com

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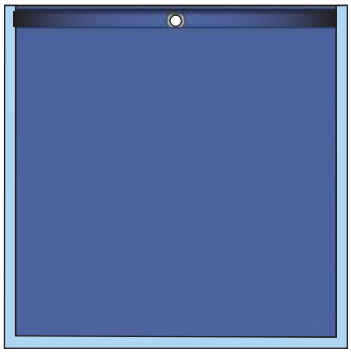
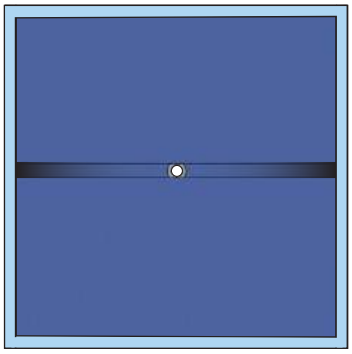
The information within this guide is for reference only and does not supersede requirements from other product manufacturers or building codes. Consult and follow manufacturers specific installation and safety instructions. Rudiger Group Inc bears no responsibility or liability for damage(s) resulting 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. For Emergency SDS information, contact CHEMTREC: Canada 1-800-424-9300

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

Pre-Sloped Shower Pan



Ubertile® LINEAR End
Pre-sloped Shower Pan



Ubertile® LINEAR Center
Pre-sloped Shower Pan

Ubertile®
Pre-sloped Extension Pan

Drain (sold separate)

Drain Body

Key

Lock Nut

Support Plate

Plate Screws

Flashing Corner

Lubricant

Drain Grate (sold separate)

Grate Holder

Dual Function Drain Grate
(functions as both a Tileable or Standard Drain Grate)

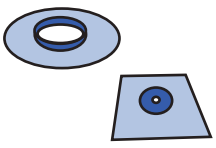
Protective Cover

Wall Panel + Accessories (sold separate)

Uberboard™ Classic
1/2" thick panel

Uberboard™
Fasteners

Uberseal™
(for non-steam
shower application)



Mixing Valve &
Pipe Seal

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

Stainless Cutting Tools (sold separate)

Diablo Steel Demon Cermet II™ Carbide Ferrous Metal Blade or similar

Lenox Lube Tube™ Cutting Wax or similar

Tools (not included)

Tape Measure

Marker / Pencil

Inside Pipe Cutter

Utility Knife

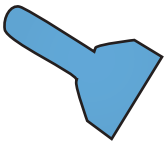
Spirit Level

Power Drill

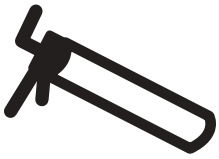
3/8”x3/8” sq-Notched Trowel

1/4”x3/16” V-Notched Trowel

4.5” Wood Hole saw



Flat and Corner Spreader



300ml Caulking Gun

Jigsaw or Circular Saw to cut Shower Pan

Adhesives (sold separate)

Modified Thinset Mortar ANSI A118.4 or A118.15

ABS pipe adhesive

Safety Gear (see product MSDS sheets for further info)

1.2L - Construction Requirements

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, thus are not suitable 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 installe taking the time to actually read the instructions as required. To reward your effort, we're gonna 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;
*Limit 1 per customer, per household. Offer valid while supplies last.

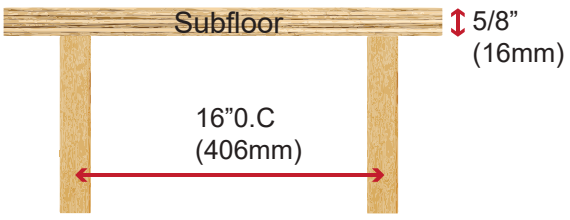
Subfloor Requirements (Wood)

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

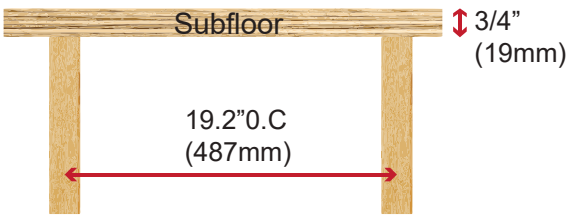
• Wood floors must be suspended a minimum 18" (457mm) above ground, with adequate cross-ventilation.

• 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.

1.2L - Construction Requirements

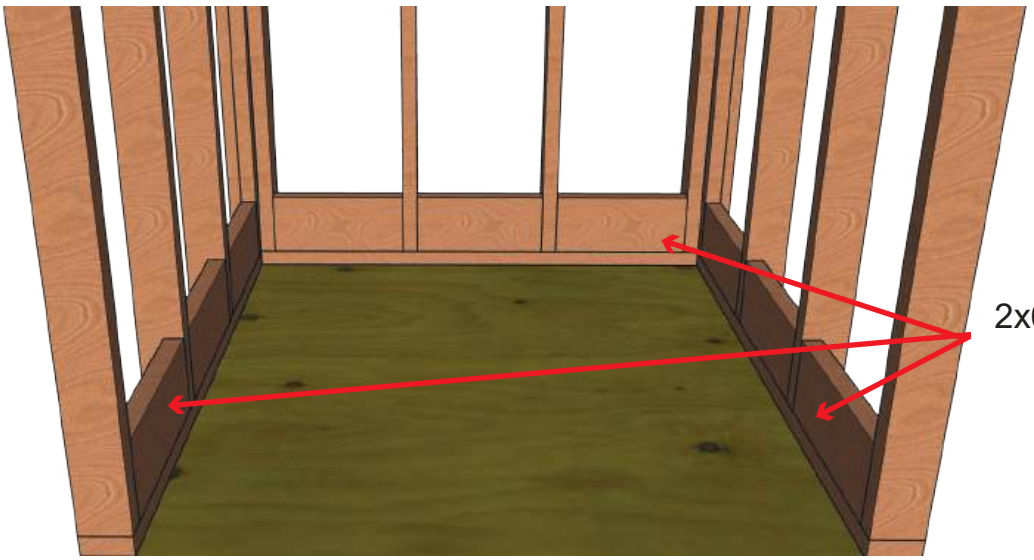
Wall & Ceiling Framing Requirements

• 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.

• Stud spacing is a maximum 16” O.C. for wall or ceiling installation. It is permissable to have Studs spaced closer than 16” O.C. if you prefer, however this is not necessary.

• 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.

1.3L - Plumbing Requirements

Plumbing (General)

- The Ubertile® Drain Body is **only to be affixed to a local code approved ABS 2" drain pipe.**

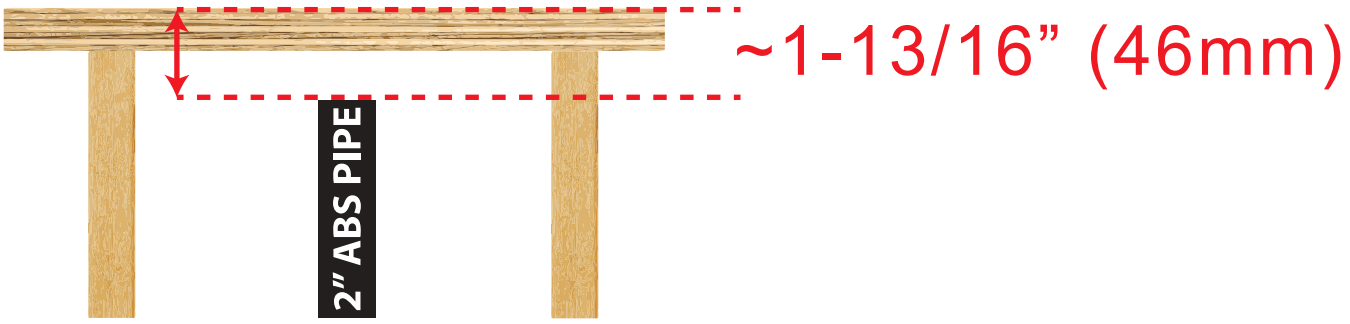
- The drain pipe must be secured in its position, **mounted ~1- 13/16" (46mm) below the TOP of the subfloor.** If the drain pipe is already installed, use an internal pipe cutter to cut the pipe to the correct height.

- 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.

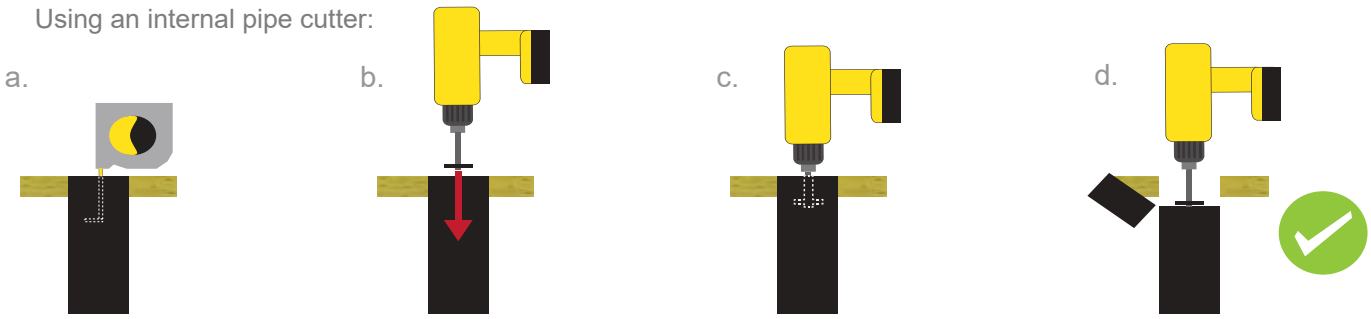
- If there is plumbing access from under the shower floor (example if ceiling below the shower is open) the 2" ABS pipe can be glued in after the shower has been installed.

- Completed 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, take photos at the time of filling and draining.

Ideally wait 24 hours before performing a flood test as this allows the thinset to cure.
If required 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.

1.4L - 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.

• 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 accommodate 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 permenant object (ie window casing)

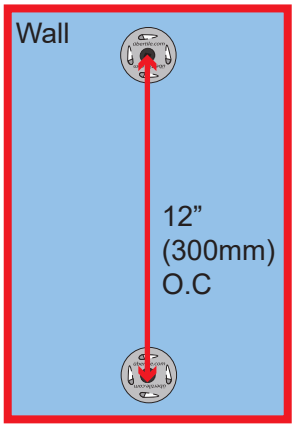
1.5L - Uberboard™ General Requirements & Limitations

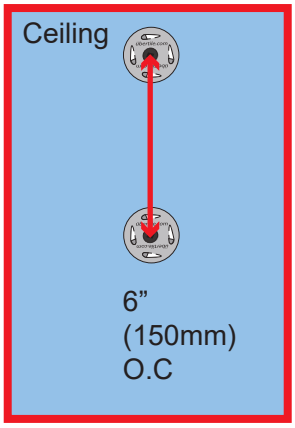
XPS Foam Limitations (General)

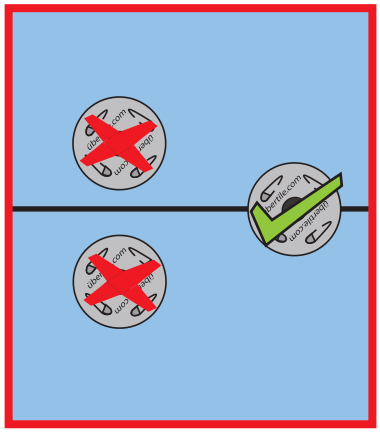
- Do not expose foam to solvents or temperatures over 50 degrees Celsius.
- Store away from UV light (sunlight).
- Store laying flat, otherwise product may bow or curl.

Uberboard™ Requirements (Wall & Ceiling Use)

- Uberboard™ panels must be a minimum 1/2" (12.5mm) thick to be fastened direct 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 steamshower 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.





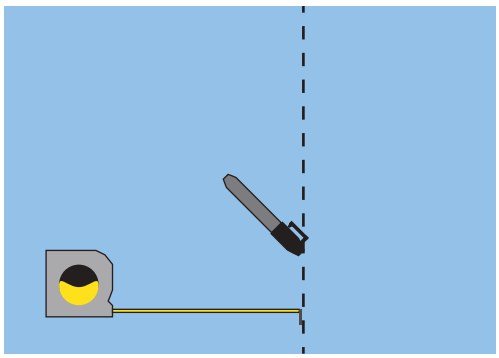


2.1L - Cutting

Cutting Uberboard™

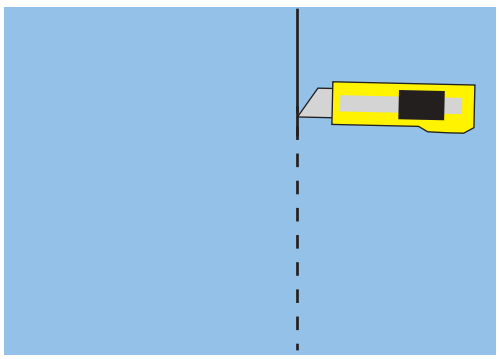
Uberboard is cut similar to drywall, simply "score and snap" the panels.

a.



Measure and mark sheet.

b.

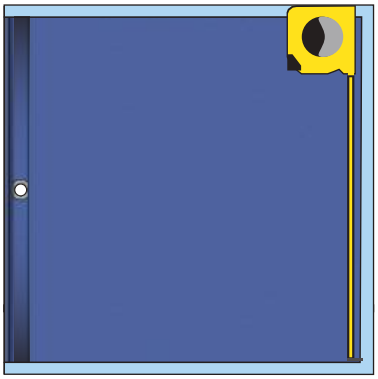


Cut with a **utility knife** or hand saw.

2.1L - Cutting

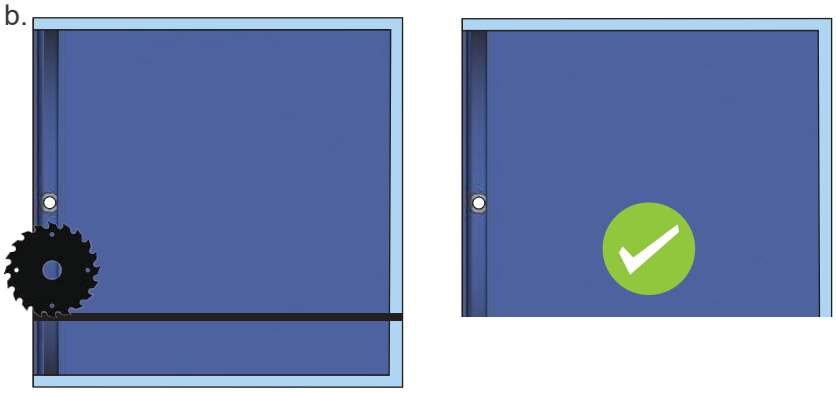
Cutting the Shower Pan

a.



Measure where the **Shower Pan** will be installed, measuring stud to stud, mark the dimensions onto the **Shower Pan**.

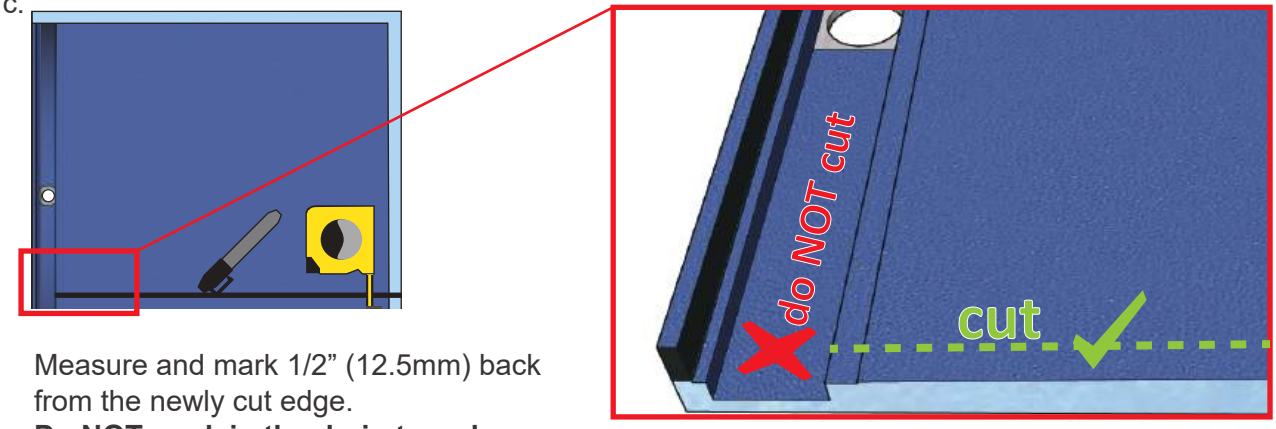
b.



Using a **circular saw**, cut the **Shower Pan** following the cut line.

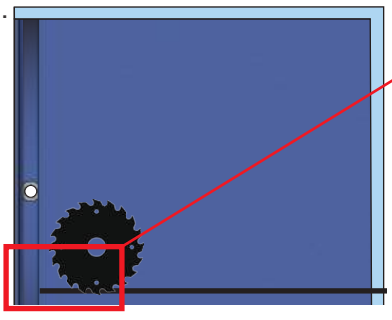
Cutting the Perimeter Notch

c.



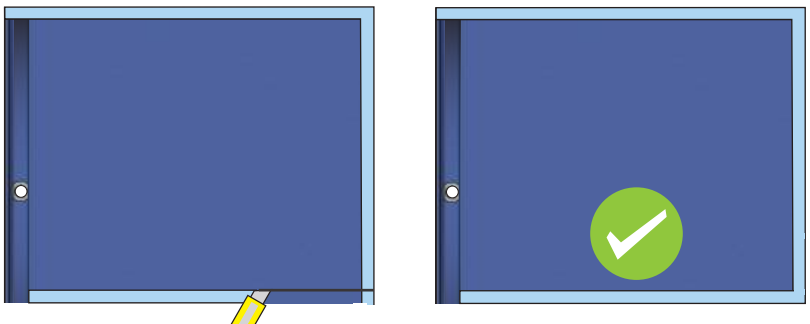
Measure and mark 1/2” (12.5mm) back from the newly cut edge.
Do NOT mark in the drain trough area.

d.



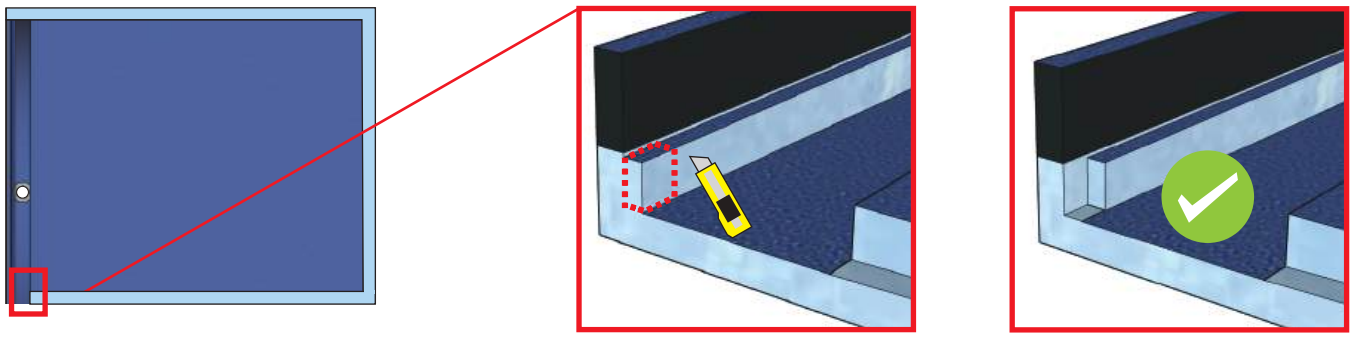
Using a **circular saw** set to 1/2” (12.5mm) cut depth, cut along the marked line.
Do NOT cut in the drain trough area.

e.



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

f.

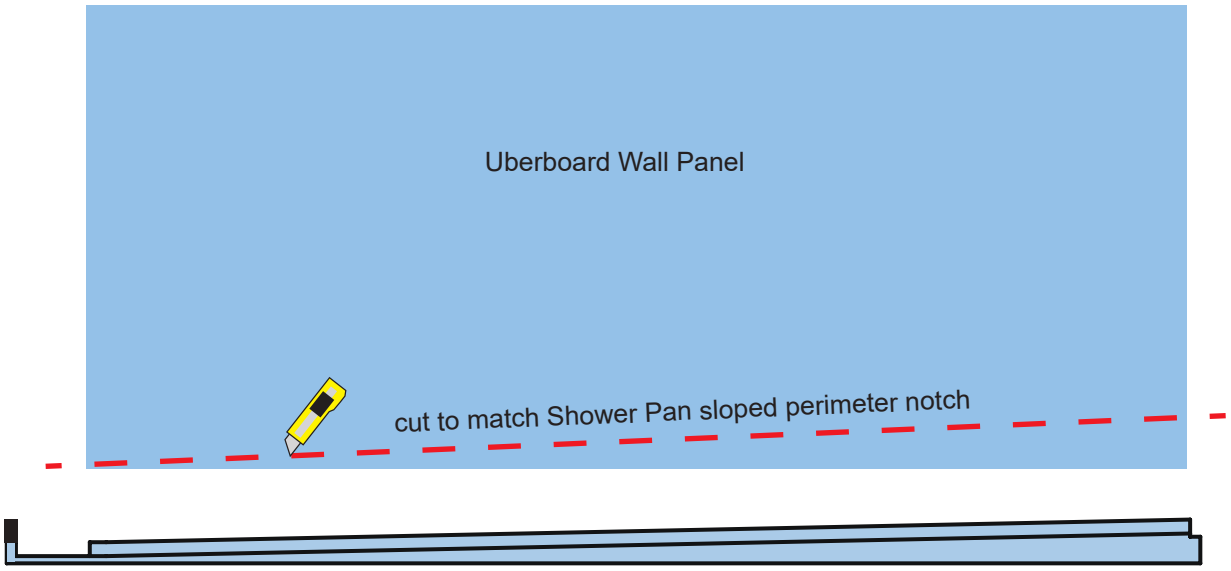


Using a **utility knife**, carefully trim a 1/2”
(12.5mm) wide notch from the front of the drain trough vertical protrusion.
Test fit the **Shower Pan** to ensure it fits the area.

Note: The perimeter notch of the **Shower Pan** follows the slope of the **Shower Pan** top surface. Therefor take the following considerations when joining to the left or right sides of the Shower Pan:

• The bottom edge of an **Uberboard Wall Panel** must be trimmed to match the slope of the **Shower Pan.**

• The perimeter notch on an **Uberboard Curb** must be trimmed to match the sloped notch of the **Shower Pan.**



side view of Ubertile LINEAR Shower Pan

2.1L - Cutting

Cutting the Drain Grate

• Cut the **Drain Grate** and **Grate Holder** using a chop saw with:
  • Diablo Steel Demon Cermet II Blade (or equivalent)
  • Lenox Lube Tube Cutting Wax (or equivalent)

• Respect the max RPM listed on the blade, or you risk damage / harm / burning out the blade.

Blade Consideration:

• A typical **cordless** 7 1/4" chopsaw operates at a lower rpm than a typical 7 1/4" **120V** chop saw, making a cordless chopsaw a good choice to match the lower rpm of a cutting blade.

• Smaller cutting blades are rated at higher rpm than larger cutting blades, thus a smaller cutting blade used on a larger diameter saw may also be suitable to match blade rpm.

Example i: A 1800rpm 12" blade mounted to a 3800rpm 12" chopsaw = saw rpm too high!
Example ii: A 5000rpm 7 1/4" blade mounted to a 12" 3800rpm chopsaw = saw rpm OK
(You need to use a piece of wood to fir up the cut surface to compensate for smaller blade).

• Before making the cut, apply the cutting wax to the blade teeth.

• Cut the metal slowly, do not force the blade during the cut.

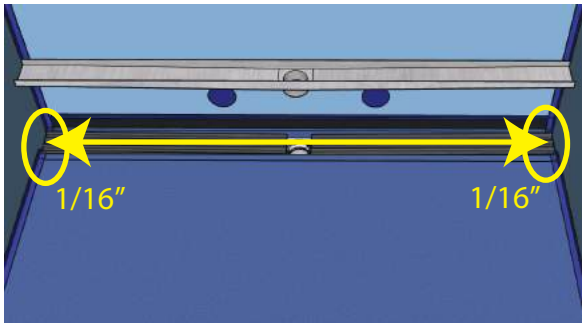
• It is not recomended to use a ZipCut style blade as this will heat the metal, discoloring it.

• Cut the **Grate Holder** and **Drain Grate** separate (do NOT cut assembled together).

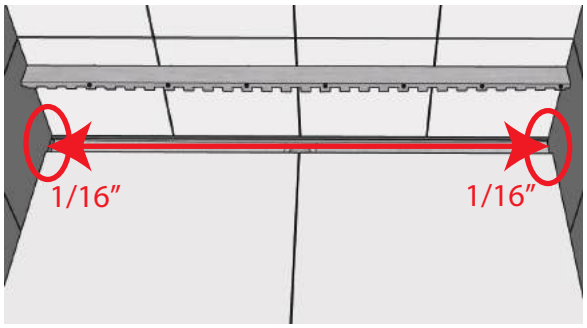
• The parts must be securily clamped during cutting.

• If there are any sharp edges or burrs, use a fine metal file to smooth the edge.

• When cutting the **Grate Holder** allow 1/16" (1.5mm) per side for clearance to the Uberboard wall panel.



• When cutting the **Drain Grate** allow 1/16" (1.5mm) per side for clearance to the wall tiles.

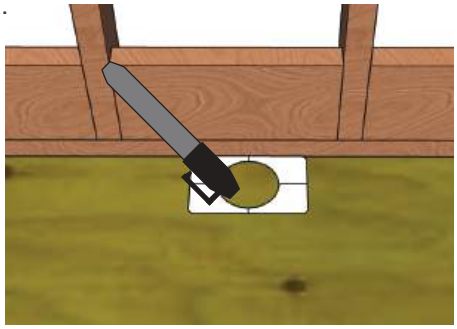


• The underside of the **Drain Grate** is angled to match the slope of the **Grate Holder.** Thus take note when cutting the **Drain Grate**, so that the cut **Drain Grate** telegraphs the slope of the **Grate Holder** when installed.

2.2L - Installation of Pre-Sloped Shower Pan

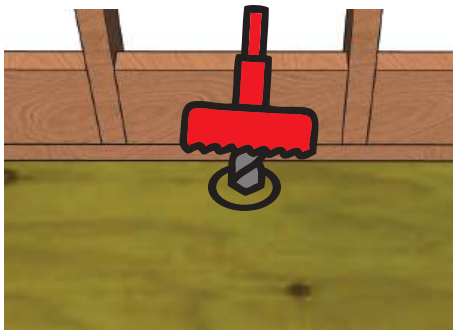
Installation of Support Plate

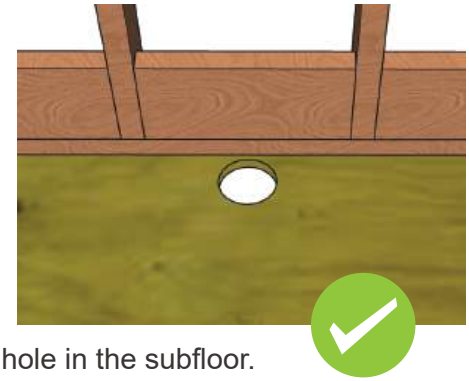
a.



Use the included **Support Plate Template (see pg.35)** to trace a 115mm / ~4.5” circle onto the subfloor.

b.



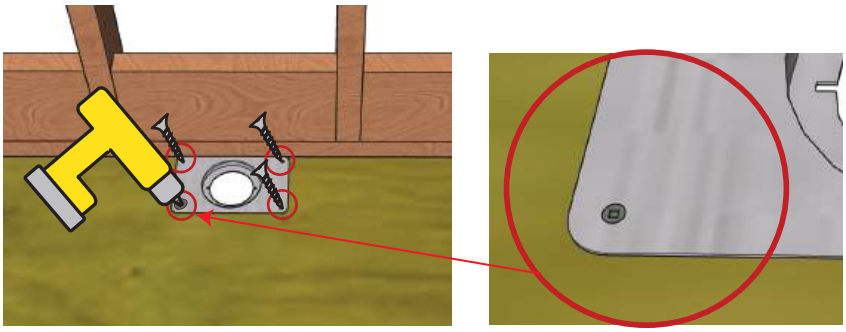


Use a **Jigsaw or Holesaw** to make a hole in the subfloor.

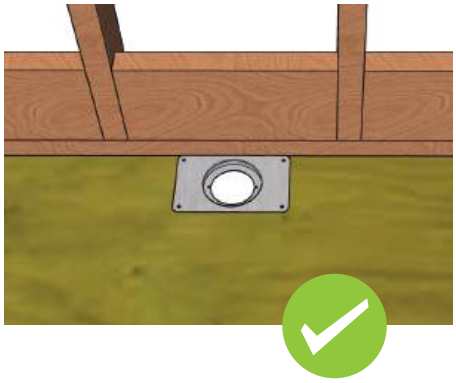
b. (alternate)

> For Concrete Floors:
> Following the traced line, chisel a hole into the concrete, at a depth of 1”, with a diameter of 4.5” around the 2” ABS drain pipe.

c.



d.



WARNING:
It is wise to wait to screw the **Support Plate** until you have first “dry fit” the **Shower Pan** to ensure perfect centering of the **Support Plate** in relation to the **Shower Pan**.

Once you have confirmed allignment of the **Support Plate** relative to the **Shower Pan,** then use the provided **screws** to fasten the **Support Plate** to the subfloor.

The finished **screws** must be flush with the top of the **Support Plate**.

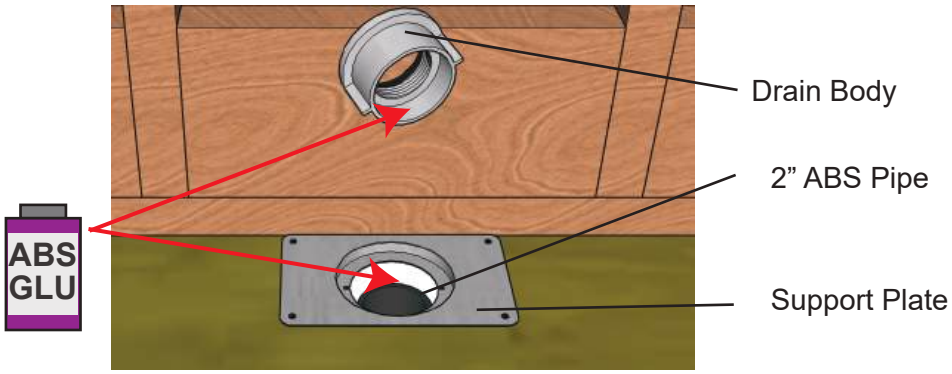
c. (alternate)

> For Concrete Floors:
> Center the **Support Plate** over the hole.
> Use **Uberseal™** to fasten the **Support Plate** to the concrete.

2.2L - Installation of Pre-Sloped Shower Pan

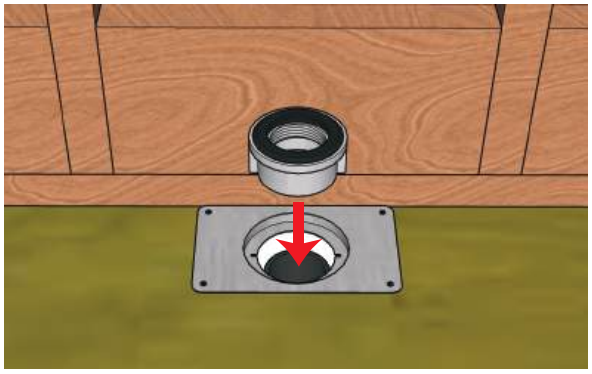
Installation of Drain Body

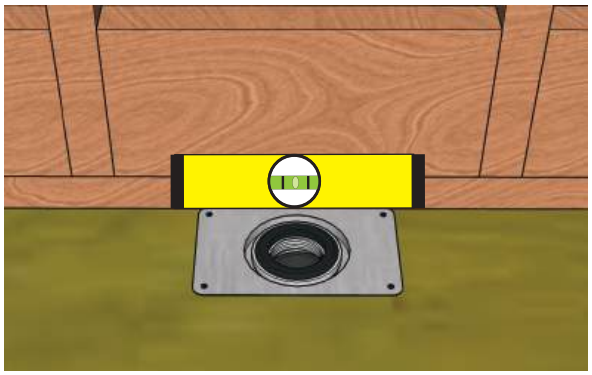
a.



Apply **ABS Glue** to both the ABS 2” Pipe and **Drain Body** mating surfaces, following ABS glue manufacturer instructions.

b.

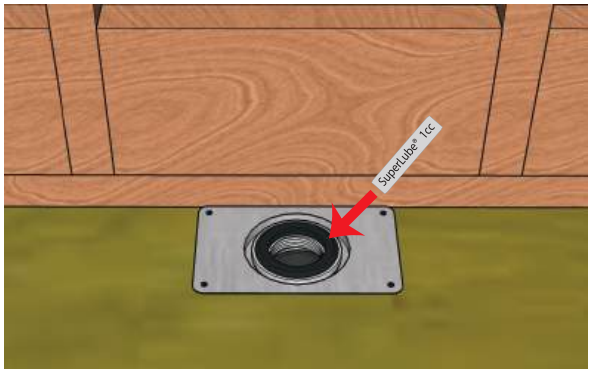




b. (alternate)

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

Place the **Drain Body** into the **Support Plate**, gluing the **Drain Body** into the 2” ABS drain pipe. Ensure the parts are installed level.



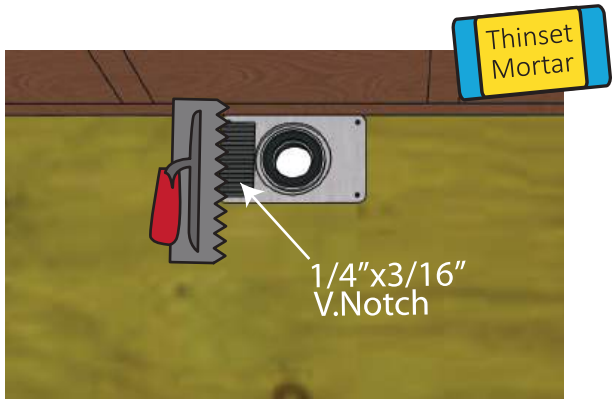
Use the **Superlube** to lubricate the top surface of the **Rubber Gasket**.

2.2L - Installation of Pre-Sloped Shower Pan

Adhering the Shower Pan

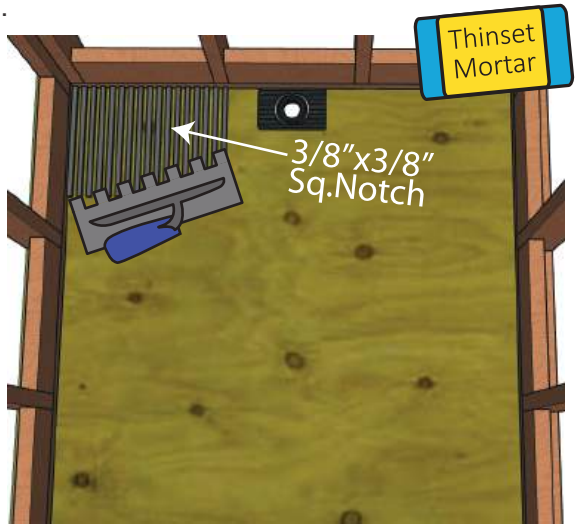
- DO NOT allow **Thinset** or contaminants to contact any part(s) of the **Drain Body** and **Shower Pan** mating surfaces.
- Perform a “Dry Test” to verify fitment of the **Shower Pan** fitment PRIOR to mixing **Thinset**.
- Use the correct trowel size as defined in this manual when applying **Thinset**.
- **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 will not compress sufficiently to allow the Shower Pan to mate onto the Drain Body.**

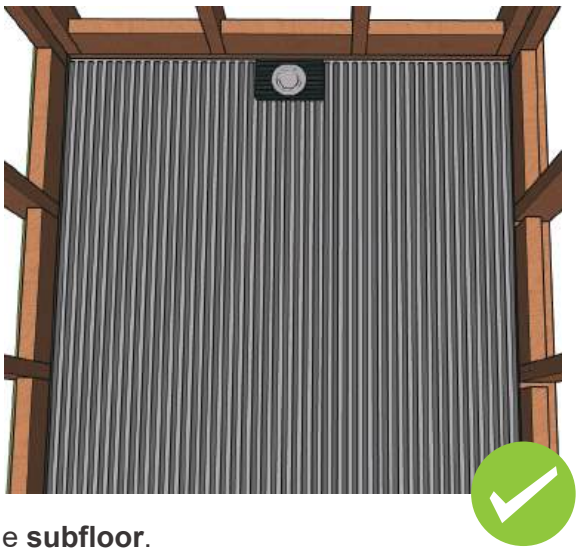
a.



Use a **1/4”x3/16” V-Notched trowel**, apply **Thinset** onto the **Support Plate**.

b.



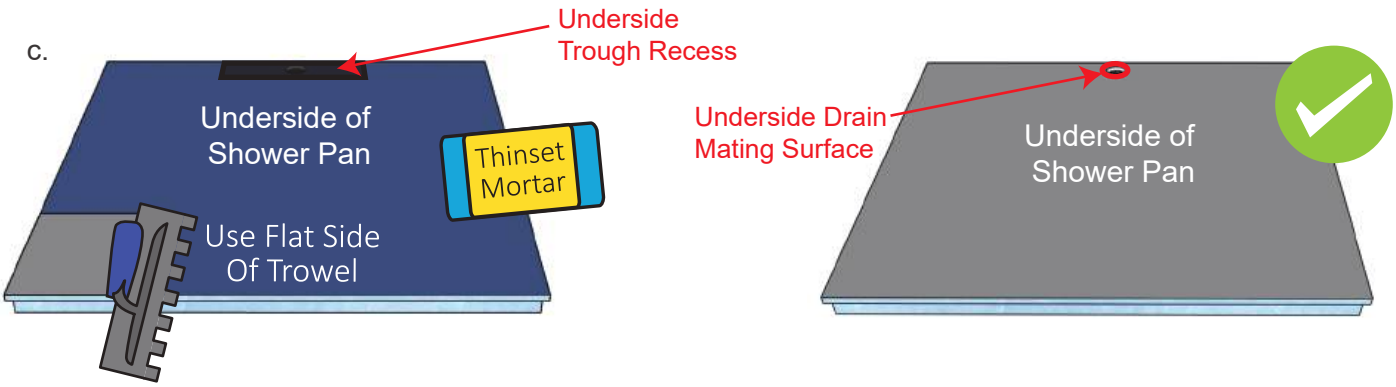


Use a **3/8”x3/8” sq. notched trowel** apply **Thinset** onto the **subfloor**.
Comb **Thinset** uniformly in 1 direction (towards shortest length of the **Shower Pan**, as this allows air to escape when the **Thinset** is compressed, preventing air pockets / voids from forming).

2.2L - Installation of Pre-Sloped Shower Pan

Adhering the Shower Pan

c.



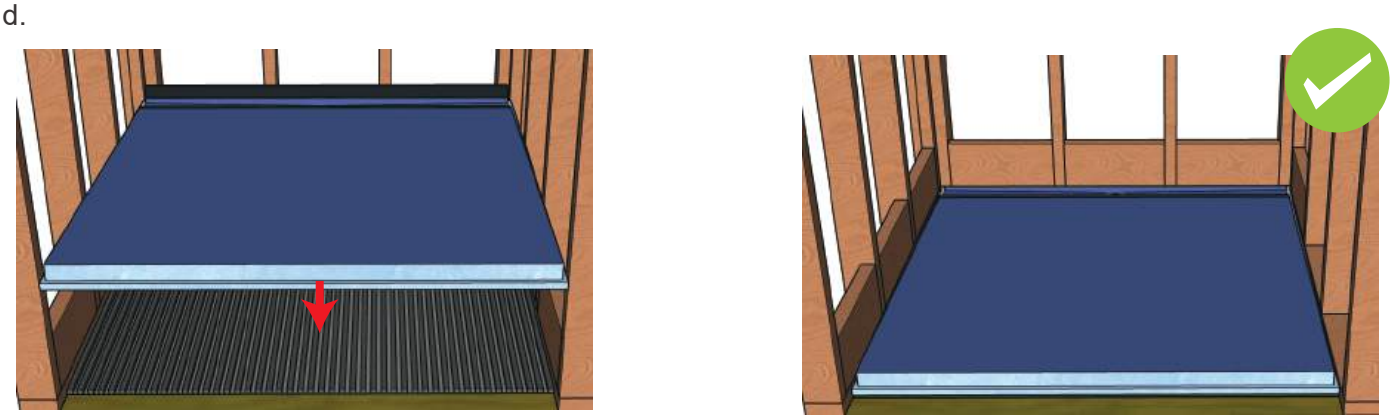
Using the **FLAT Side of the trowel**, key in / scratch coat[1] **Thinset** onto the underside of the **Shower Pan**.

While performing the key in / scratch coat[1] ensure you:

- Fill the **Underside Trough Recess** with thinset, so there are no voids on the underside of the **Shower Pan**.
- Keep the **Underside Drain Mating Surface** on the underside of the Shower Pan **free of thinset** & contaminants so the Rubber Drain Gasket may seal correctly.

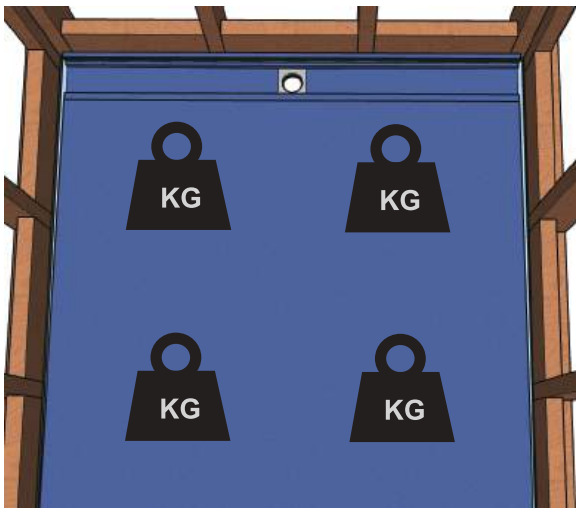
[1] definition: key in / scratch coat
The application of Thinset using the flat side of the trowel to apply a thin layer of Thinset to the backside of a product just before it is embedded into a trowelled bed of fresh Thinset. When done correctly, the trowel makes a "scraping sound" as it is applied, which is why it's often referred to as a "scratch coat".

d.



With the combed **Thinset** still fresh, place the **Shower Pan** onto the **Drain Body**, ensuring the **Drain is perfectly centered relative to the Shower Pan** drain opening.

e.



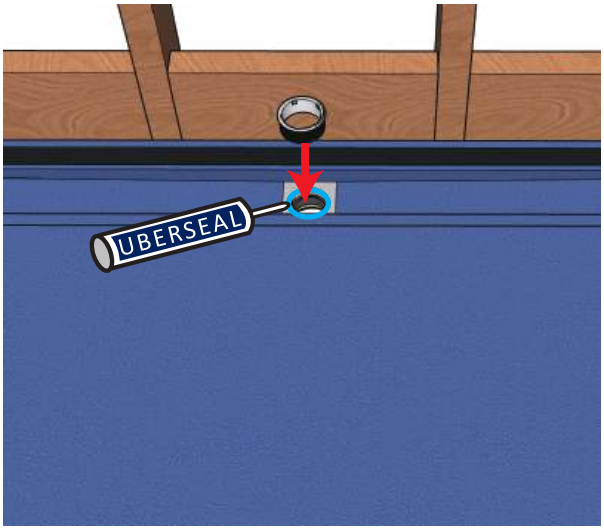
With the **Thinset** still fresh, place weight on all corners of the **Shower Pan to compress the Thinset** adequately.

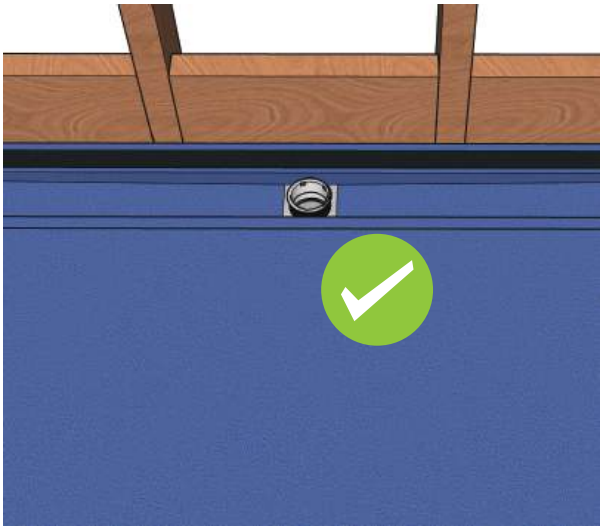
(example: use boxes of tiles or bags of Thinset to provide weight as the Thinset cures.)

2.2L - Installation of Pre-Sloped Shower Pan

Tightening the Lock Nut

a.



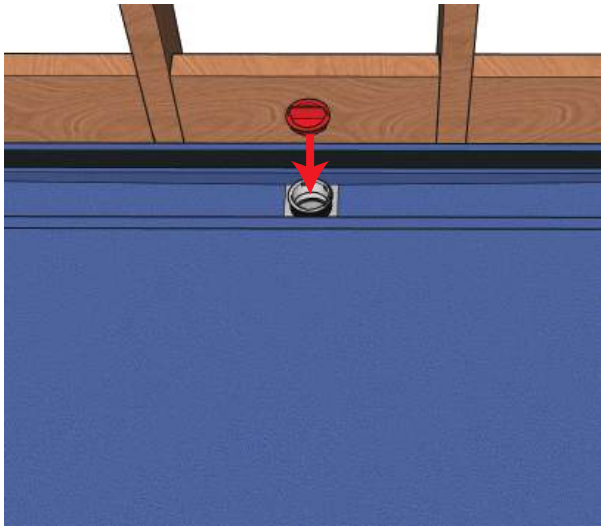


With the **Thinset** still fresh, apply a bead of **Uberseal** to the **tapered mating surface on the stainless steel**.

Insert the **Lock Nut** into the **Drain Body** with **Uberseal** still fresh.

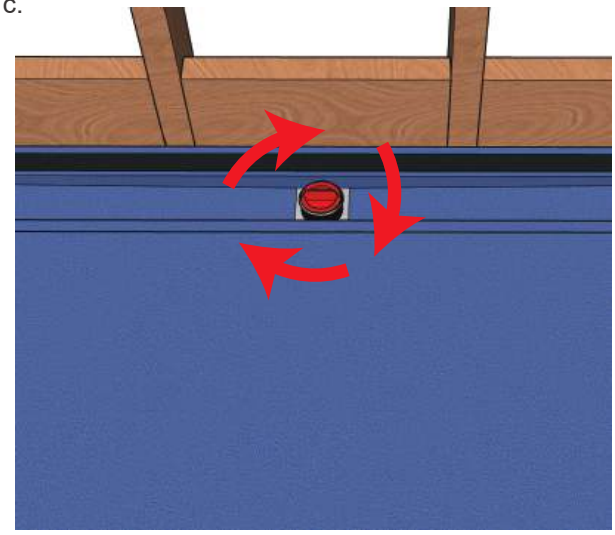
Note: If the male threads of the **Lock Nut** do not easily reach into the female **Drain Body** threads check that:
- You placed weight onto the **Shower Pan** to compress the **Thinset**.
- You used the correct size notched trowel (to ensure you did not apply too much **Thinset**).
- You mixed **Thinset** to the proper consistency (see pg.14) so the combed **Thinset** lines collapse as intended.
- You do not have an obstruction below the **Shower Pan**.

b.



Insert the **Key** into the **Lock Nut.**

c.



With the **Uberseal** still fresh, turn the **Key** clockwise to tighten the **Lock Nut**.

Spread **Ubereal** which has oozed out smooth/flat.

Remove **Key.**

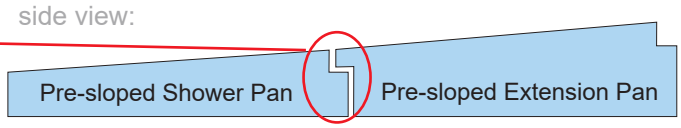
- DO NOT cross thread the **Lock Nut.**
- DO NOT over tighten the **Lock Nut.**

2.3L - Installation of Pre-Sloped Shower Pan

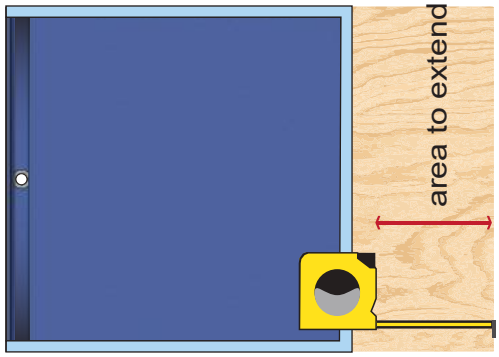
Extending a Pre-Sloped Shower Pan (if required)

The Extension Pan comes with a front notch allowing it to interlock with the Shower Pan.

side view:

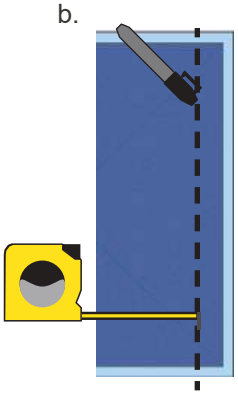


a.



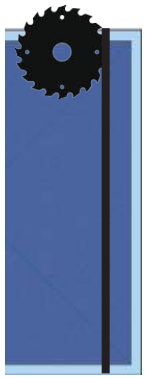
Measure the area where the **Extension Pan** will be installed.

b.



Mark the dimension onto the rear of the **Extension Pan**.

c.



Use a **circular saw**, cut to size.

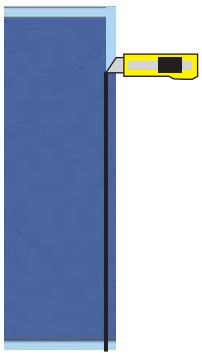
d.

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

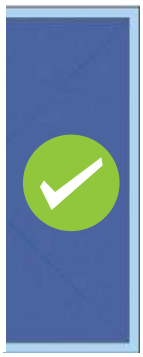
e.

Using a **circular saw**, set to 1/2" (12.5mm) cut depth, cut following the marked line.

f.

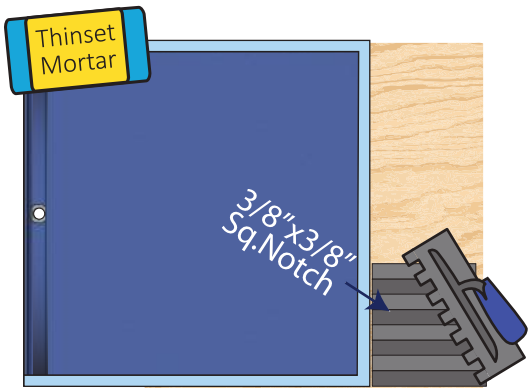


g.



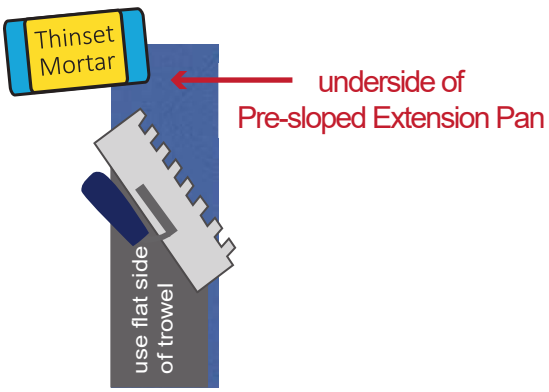
Using a **utility knife**, cut from the side of the **Extension Pan** to reveal a 1/2" x 1/2" (12.5x12.5mm) channel.

h.



Using a **3/8"x3/8" sq. notched trowel** apply **Thinset** onto the subfloor, combing uniformly in 1 direction (either towards the entrance of the shower, or the shortest distance).

i.

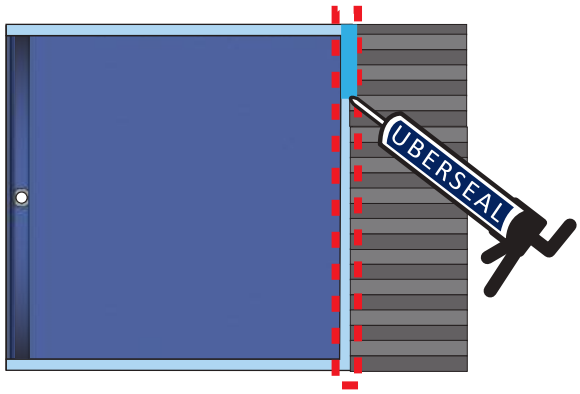


Using the **FLAT Side of a trowel**, key in a thin, flat layer of **Thinset** onto the underside of the **Extension Pan**.

2.3L - Installation of Pre-Sloped Shower Pan

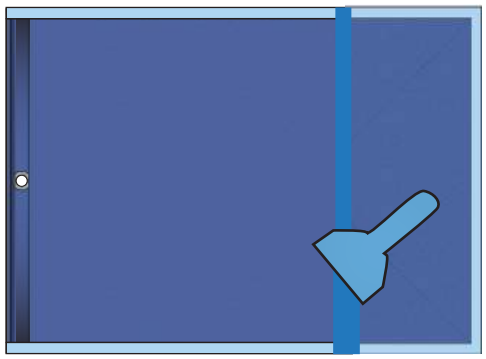
Extending a Pre-Sloped Shower Pan

j.



Apply a generous bead of **Uberseal™** into the 1/2” x 1/2” (12.5x12.5mm) perimeter channel of the **Shower Pan** where the **Extension Pan** will meet.

k.



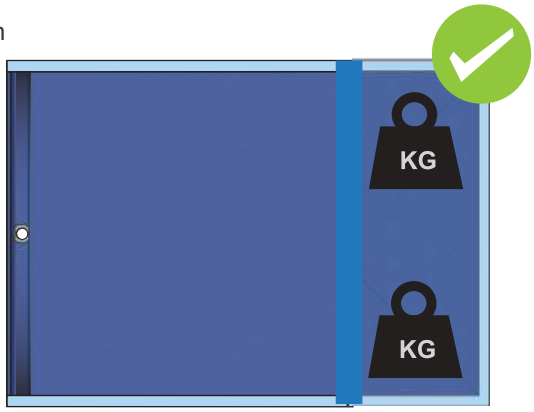
With the **Thinset** and **Uberseal™** still fresh, install the **Extension Pan** into position.

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

The spread **Uberseal™** must minimum 2mm thick.

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

m

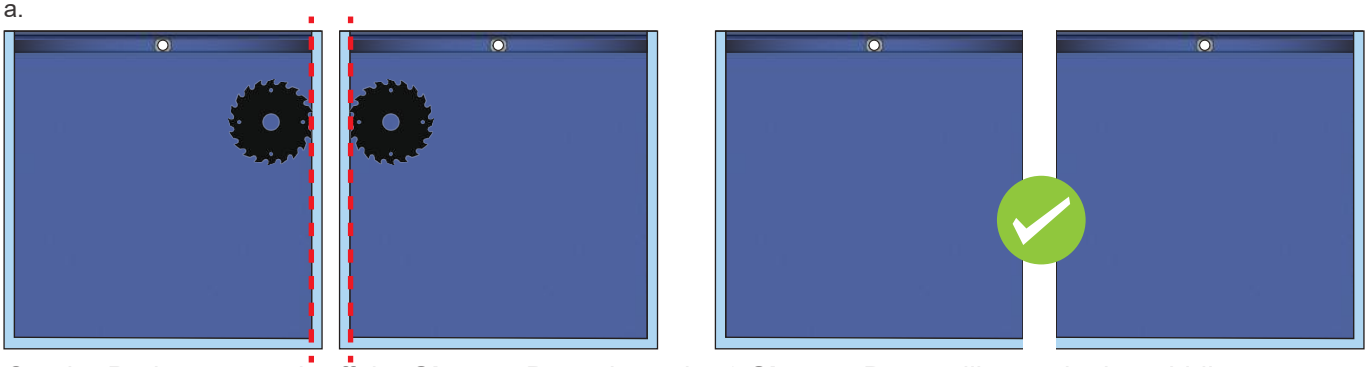


With the **Thinset** still wet, place weight onto the **Extension Pan.**
(example: use boxes of tiles or bags of Thinset to provide weight)

2.4L - Installation of Multiple Pre-Sloped Shower Pans

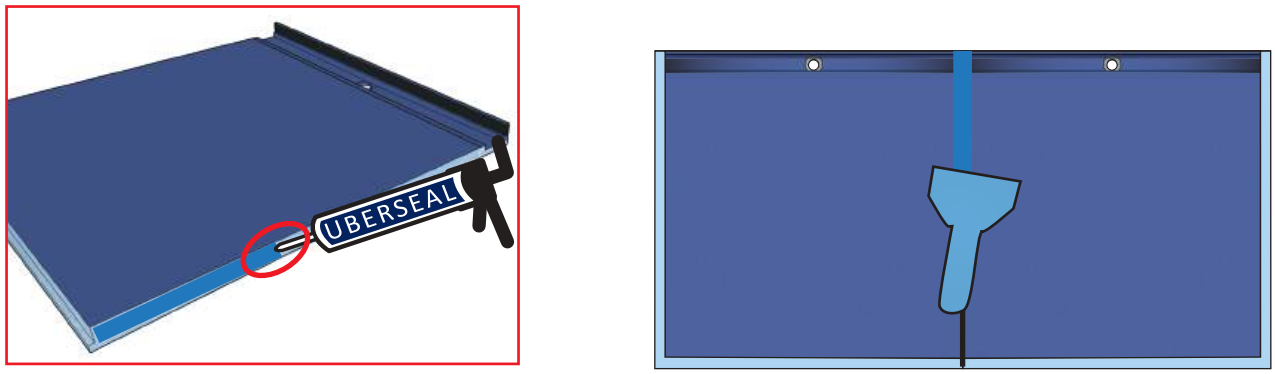
How to Install Multiple Linear Shower Pans

a.



Cut the Perimeter notch off the **Shower Pan** where the 2 **Shower Pans** will meet in the middle.

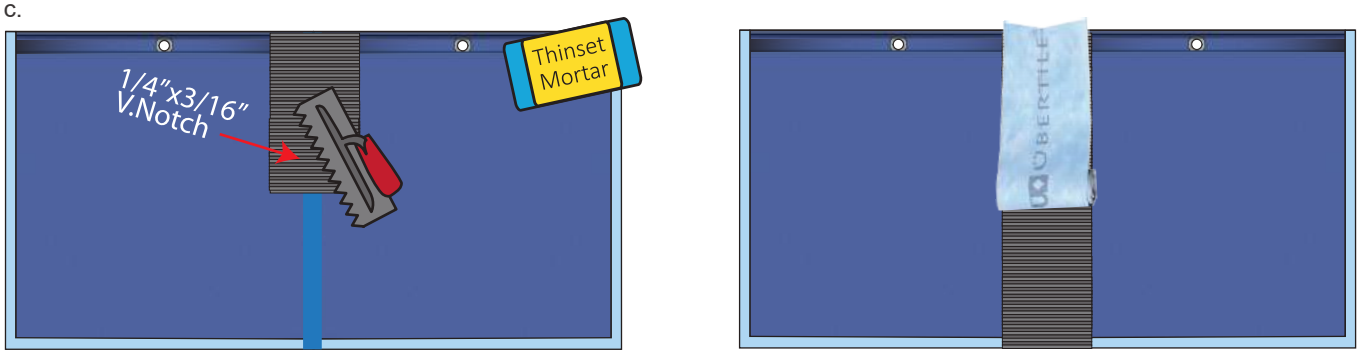
b.



Install each **Shower Pan** as normal (as defined in the prior pages of this manual), first apply **Uberseal** to the edge of each **Shower Pan** where they will meet in the middle.

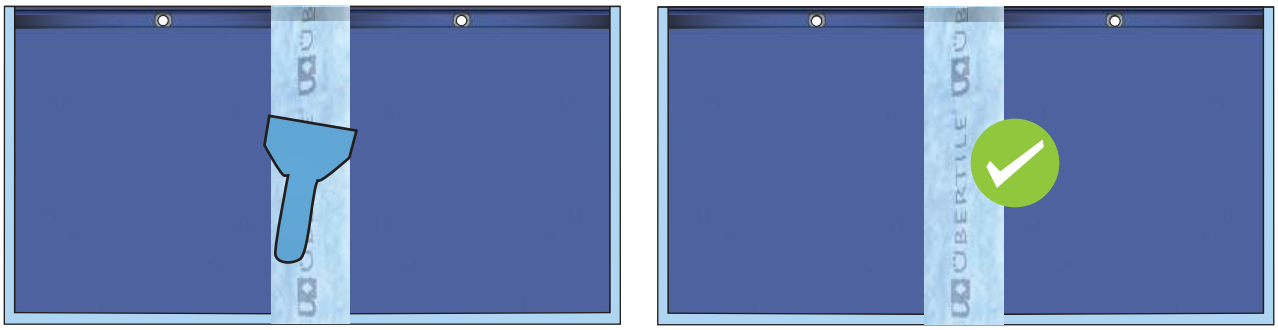
With the **Uberseal** still fresh, join the **Shower Pans**, spreading **Uberseal** flat for a 1” overlap onto each surface.

c.



Using a 1**/4” x 3/16“ V.Notch Trowel**, spread **Thinset** on the middle seam. With **Thinset** still wet, apply **Ubertile Waterproof Fabric** to the seam, lapping 3” onto each surface, including up **Uberboard Wall Panel**.

d.

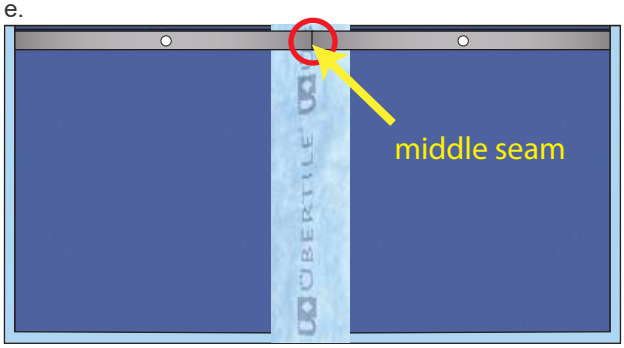


Using a **Flat Trowel**, press / smooth out the **Ubertile Waterproof Fabric**.

2.4L - Installation of Multiple Pre-Sloped Shower Pans

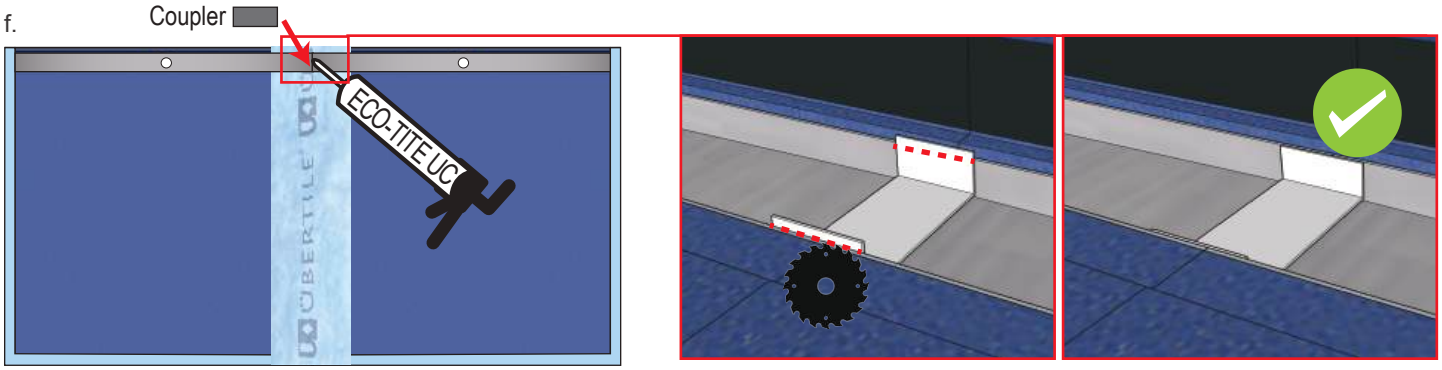
How to Install Multiple Linear Shower Pans

e.



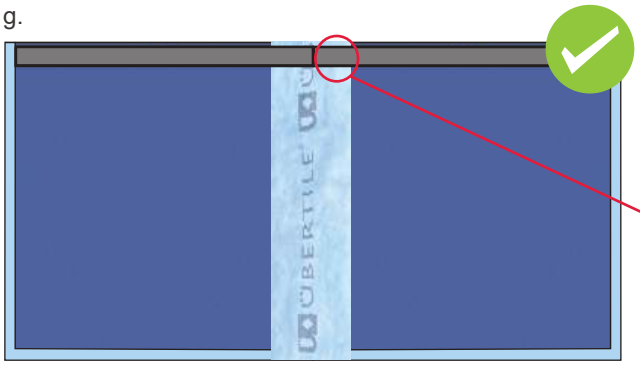
Install the **Drain Grate Holder** as normal (as defined in the the installation manual) so the seam of the **Drain Grate Holder** aligns with the middle seam of the **Shower Pan**.

f.

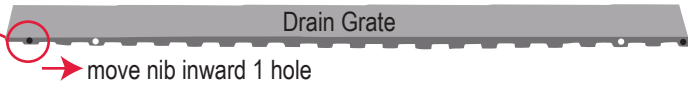


Test fit the **Coupler** (sold seprate) placing it inside the **Drain Grate Holder** over the seam.
Cut the **Coupler** down so it is flush with the **Drain Grate Holder** top edge.
Bond the **Coupler** to the **Drain Grate Holder** with **Eco-Tite UC** adhesive.

g.

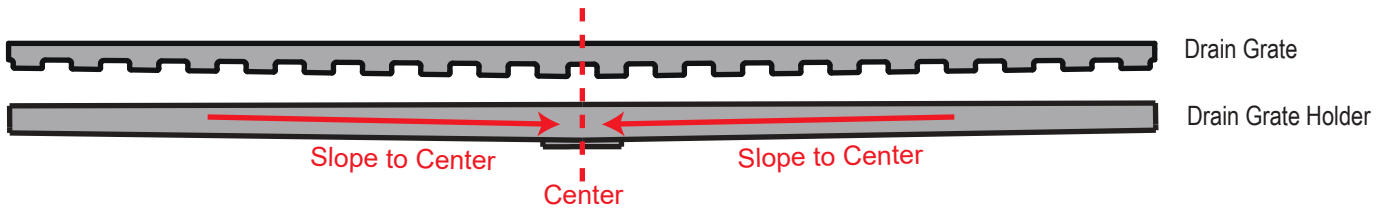


Note! The **Drain Grate** has **rubber nibs** to space the **Drain Grate**. When using the **Coupler**, manually remove the nibs which contact the **Coupler**, and move them 1 position inward.



Measure and cut the **Drain Grate** so the **Drain Grate** seam alligns with the **Drain Grate Holder** seam.
When measuring, allow 1/16” per side for clearance to the wall tile, for easier removal of the **Drain Grates**.

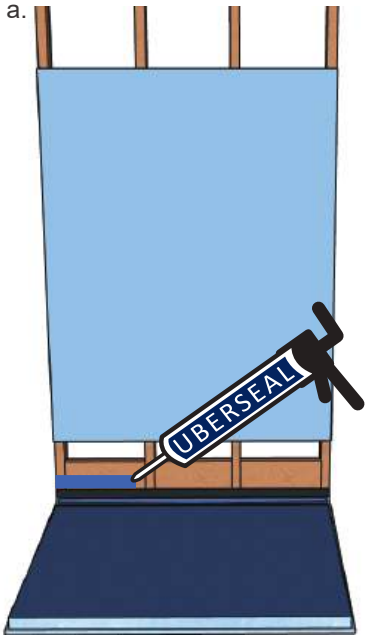
Note! The **Drain Grate Holder** is sloped to direct water towards the Drain Outlet. Therefor when cutting the **Drain Grate**, allign the **Drain Grate** Center with the Center of the **Drain Grate Holder** or the **Drain Grate** will not sit level.



2.5L - Installation of Uberboard™

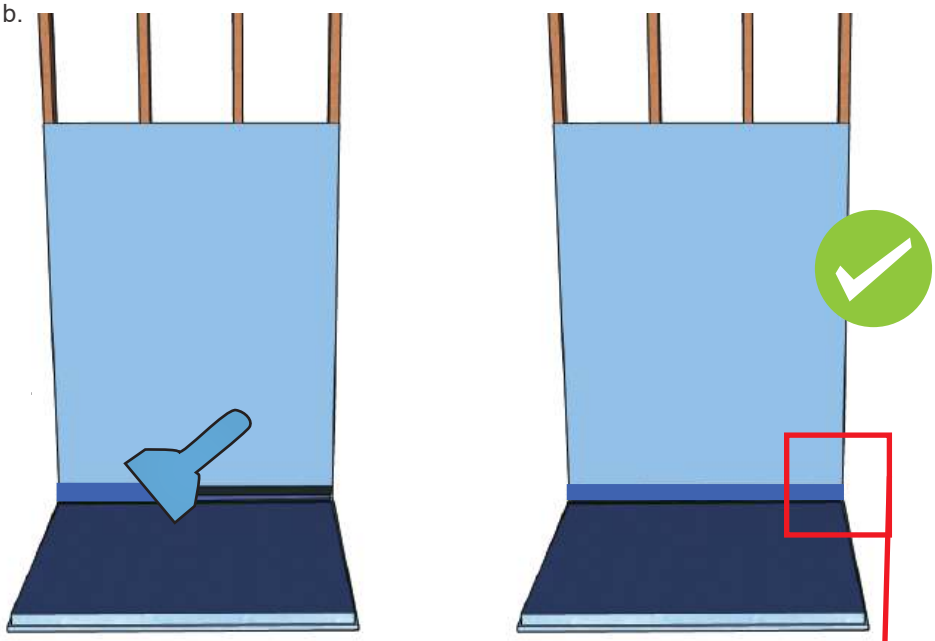
Install Uberboard™ CLASSIC (Non-Steam Shower)

a.



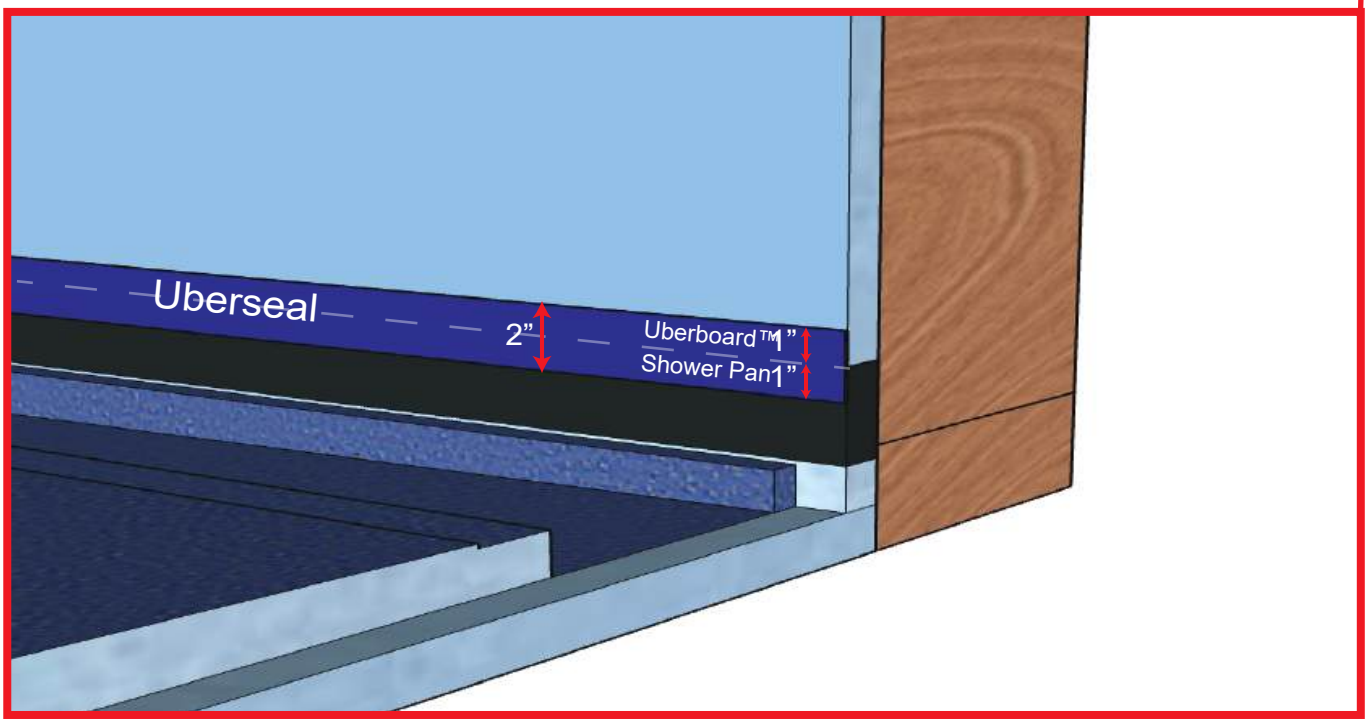
Apply a generous bead of **Uberseal** onto the top of the 1/2" wide flange of the **Shower Pan**.

b.



Insert **Uberboard** into wet **Uberseal**.

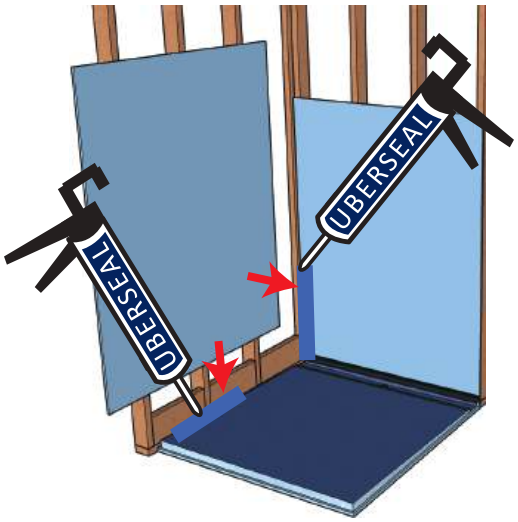
Spread **Uberseal** flat so it covers a minimum 1" onto each surface (2" total width).
The spread of **Uberseal** must be minimum 2mm thick.
If required to achive necessary coverage, apply additional **Uberseal** and spread flat.



2.5L - Installation of Uberboard™

Install Uberboard™ CLASSIC (Non-Steam Shower)

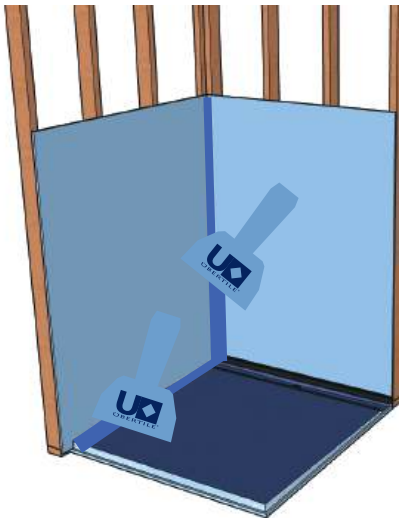
c.



Apply a generous bead of **Uberseal** into the 1/2” x 1/2” perimeter channel of the **Shower Pan.**

Insert **Uberboard** into wet **Uberseal**.

d.

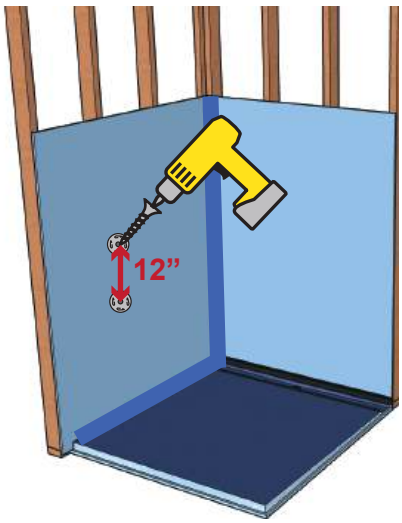


Spread **Uberseal** flat so it covers a minimum 1” onto each surface (2” total width).

In the inside corners where the Drain Trough meets the **Uberboard,** use the included **Mini Trowel** to help spread the **Uberseal**.

The spread of **Uberseal** must be minimum 2mm thick.
If required to achive necessary coverage, apply additional **Uberseal** and spread flat.

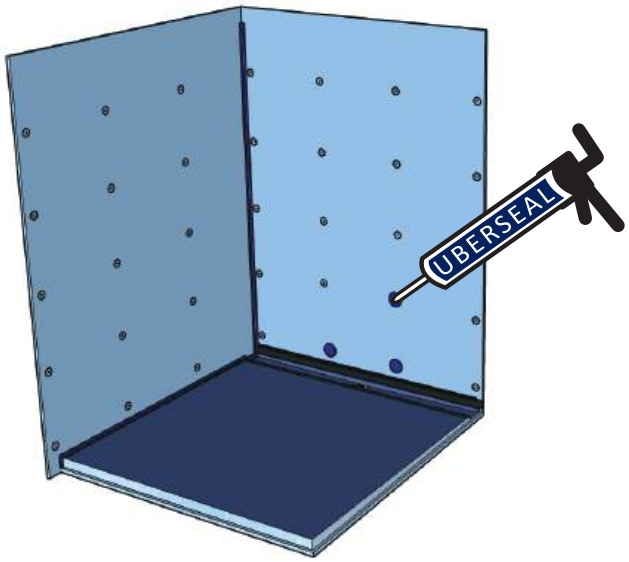
e.

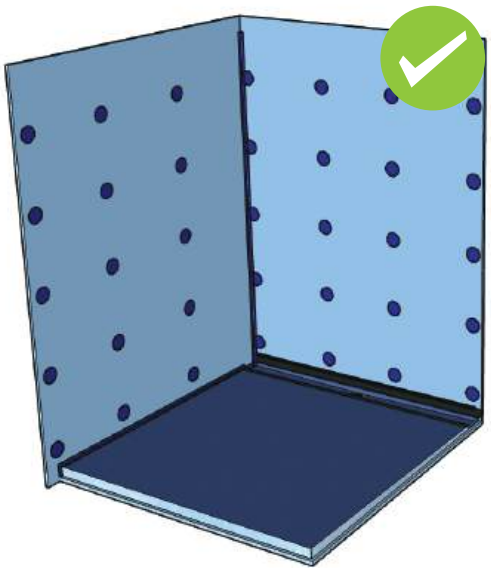


Apply **Uberboard Fasteners**, 12” O.C for walls and 6” O.C for ceilings.

Sealing Uberboard™ Fastener Penetrations

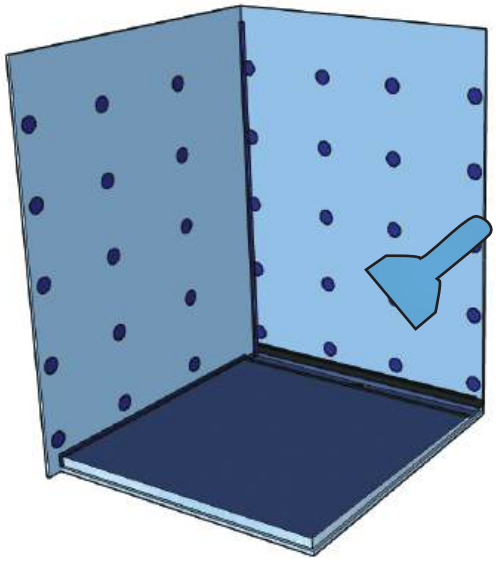
a.

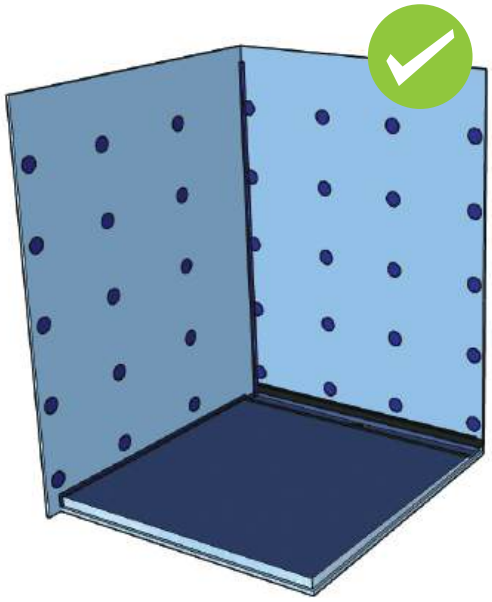




Apply **Uberseal** onto each **Uberboard Fastener** face, completely covering each **Uberboard Fastener**.

b.





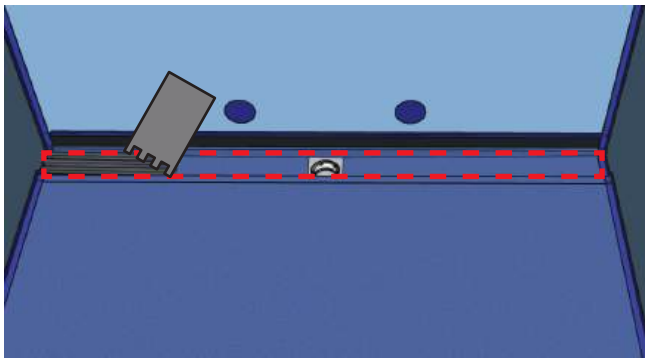
Spread / tool the still fresh **Uberseal** flat, covering a minimum 1” overlap onto **Uberboard** panel surface.

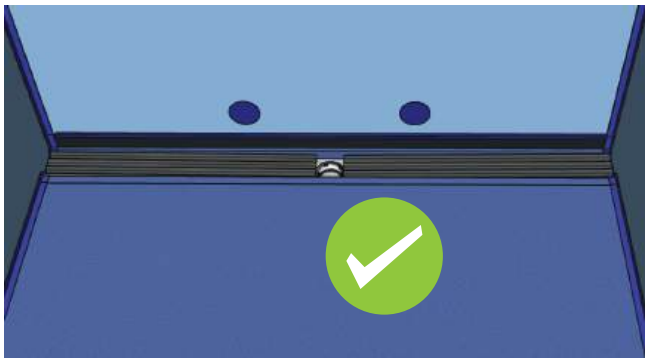
You can begin tiling as soon as the **Uberseal** does not stick to your tile trowel, often within 3 hours from time of application.

2.6L.1 - Installation of Tileable Drain Grate

Adhering Grate Holder

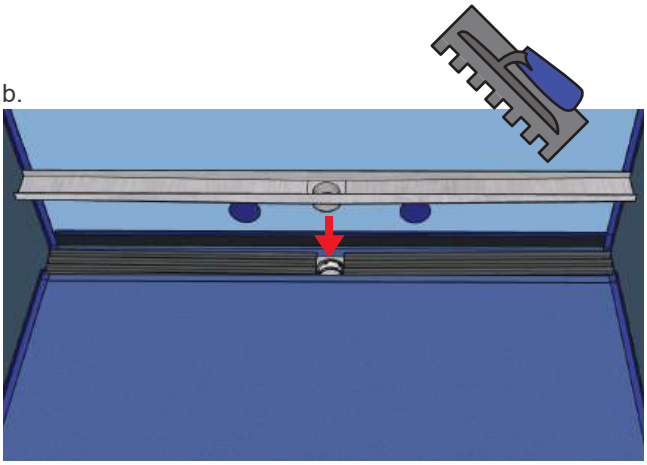
a.

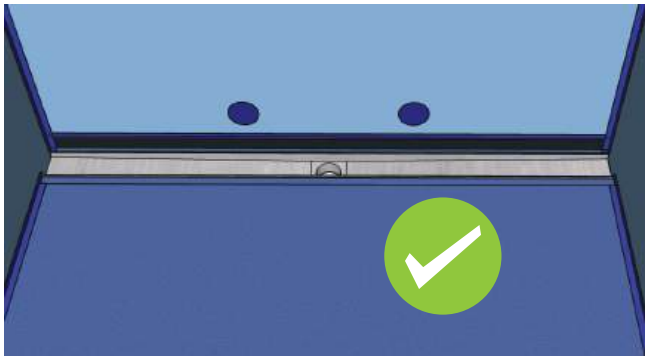




Spread **Thinset** into the trough area of the **Shower Pan** using the included **Mini Trowel.**

b.

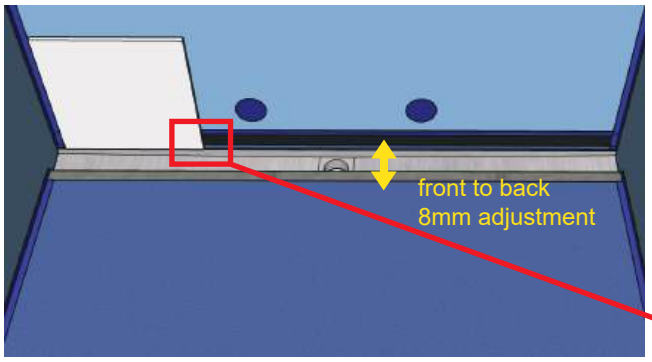


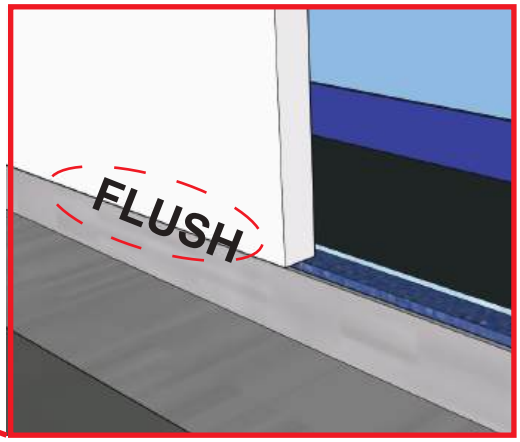


Backbutter the underside of the **Grate Holder**.

Embed the **Grate Holder** into the still fresh **Thinset**, ensure 95% or greater coverage of **Thinset**.

c.





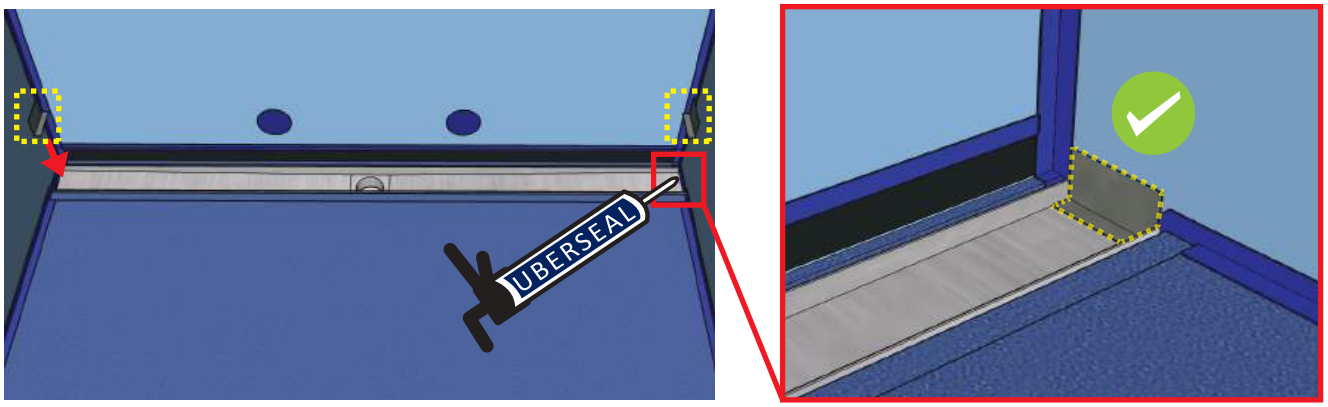
Use a wall tile as a guide, adjust the **Grate Holder** front to back to ensure the **Grate Holder** is flush with the face of the tile.

Allow for thickness of wall **Thinset** when setting the position of the **Grate Holder.**

2.6L.1 - Installation of Tileable Drain Grate (optional)

Adhering Flashing

a.



Apply **Uberseal** into inside corners where **Grate Holder** meets **Uberboard** wall panels.

Embed **Corner Flashing** pieces into wet **Uberseal**.

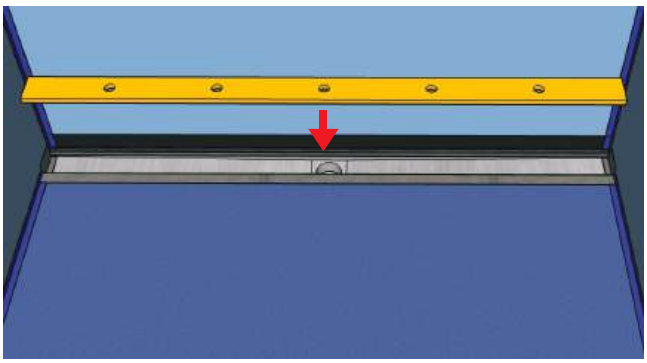
Take care not to apply excessive **Uberseal**, to avoid it spreading onto the exposed **Grate Holder** surface.

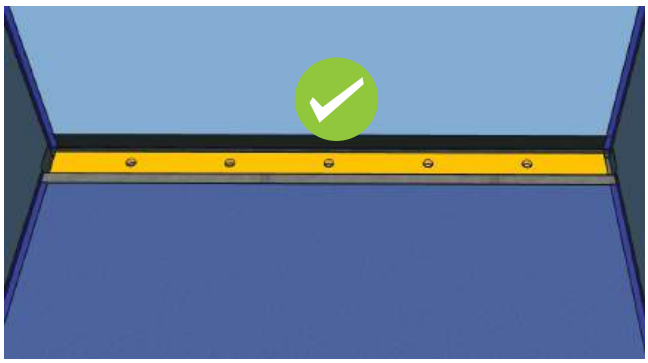
Flashing pieces should sit fairly flat against **Uberboard** protruding no further than 1/16” (1.5mm) from the face of **Uberboard** (otherwise tiling this area will be difficult).

2.6L.1 - Installation of Tileable Drain Grate

Temporary Jobsite Protection

a.

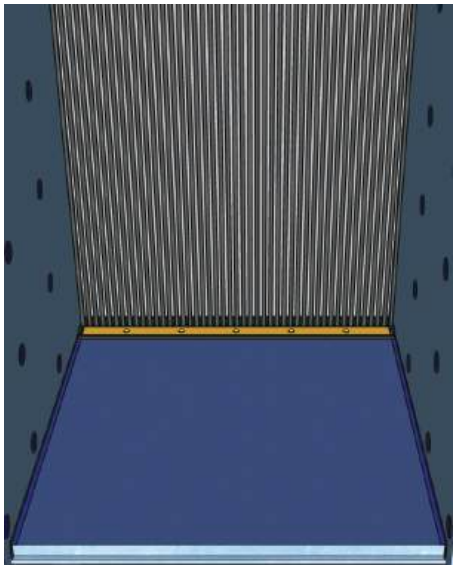


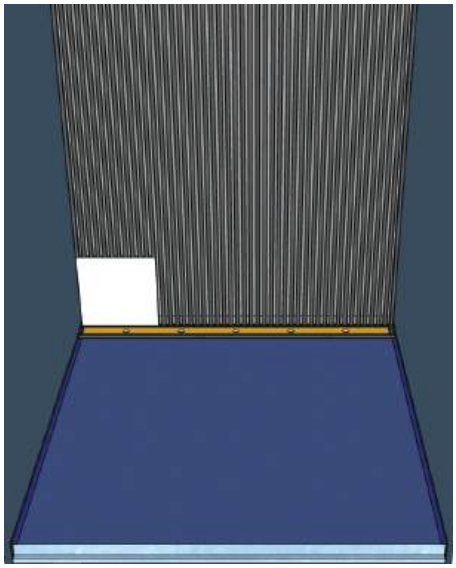


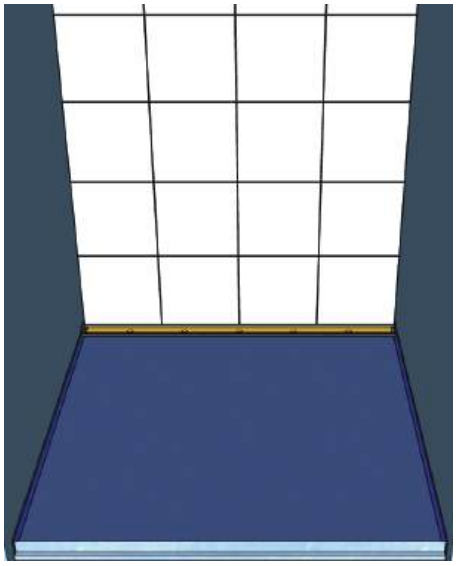
Insert **Protective Cover** into **Grate Holder** to prevent debris from entering drain while tiling.

Tiling Walls

a.

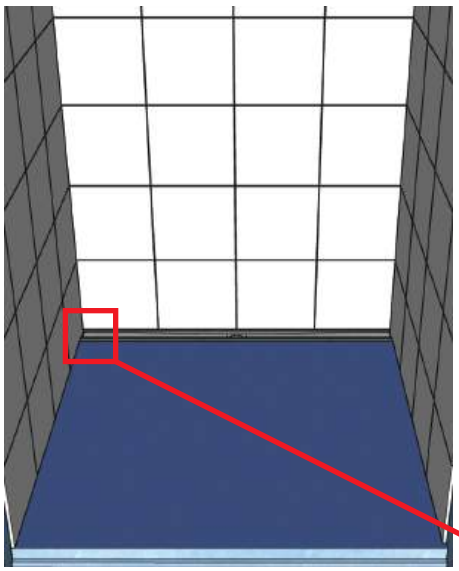


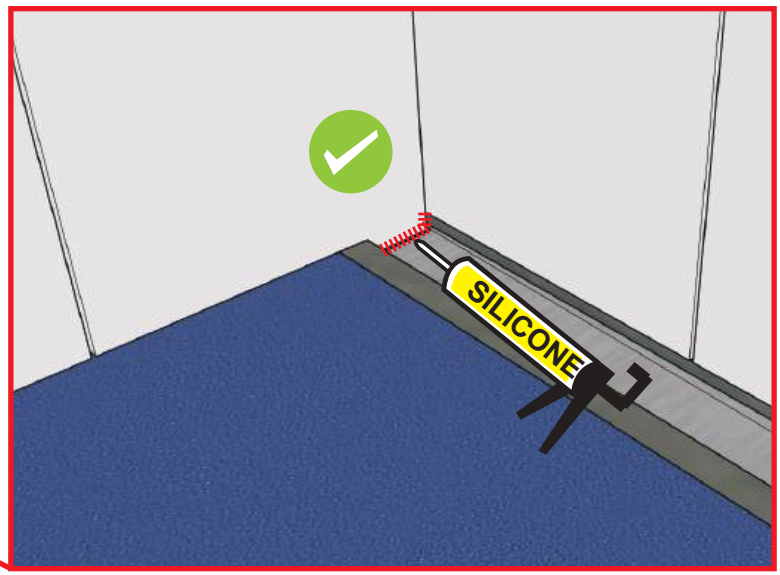




Install tile on front wall, then side wall(s).

b.



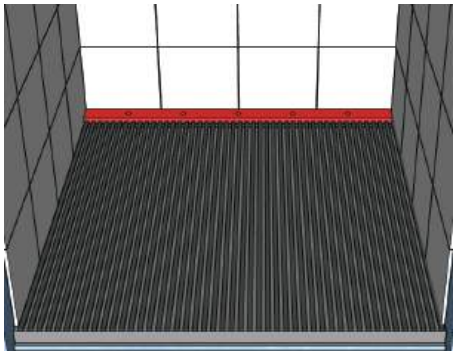


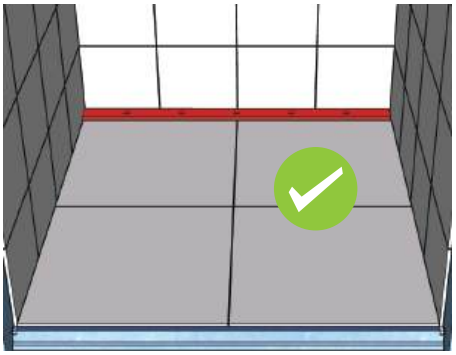
Remove **Protectice Cover** to allow installation of tile(s) on side wall(s) to fit contour of **Grate Holder**.
Prior to completion, apply silicone to seal **Grate Holder** to wall tile gap.

2.6L.1 - Installation of Tileable Drain Grate

Tiling Shower Pan

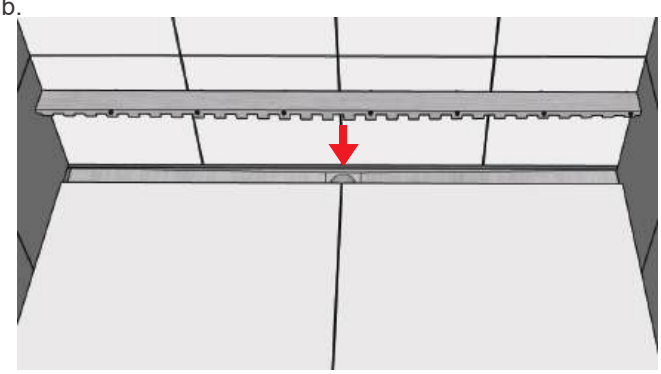
a.

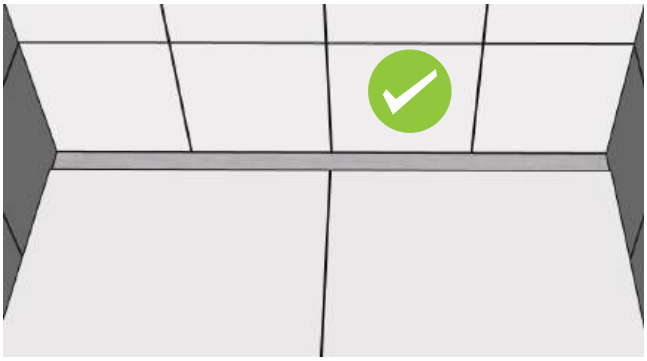




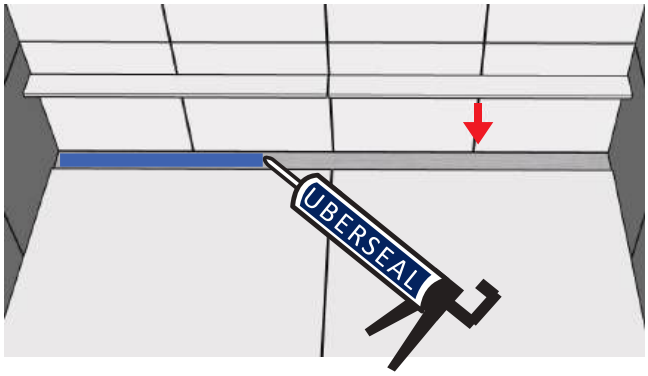
Install tile onto **Shower Pan**.

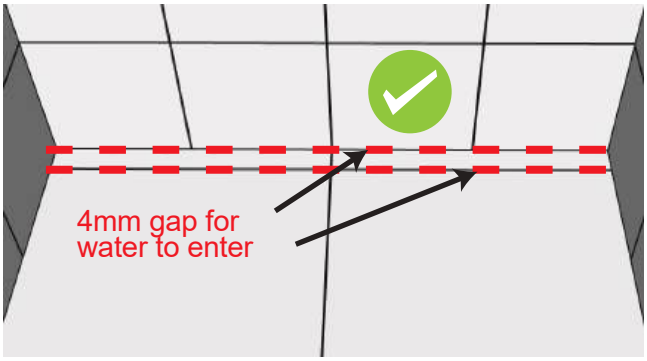
b.





Insert **Drain Grate** into **Grate Holder**.





To bond tile to **Drain Grate**:
Apply **Uberseal** to top surface of **Drain Grate**, embed tile into fresh **Uberseal**.

- •Apply enough Uberseal to ensure 100% coverage on the underside of tile (no voids).
- •Depending on the depth of the lug / pattern on the backside of the tile you may need to backbutter fresh uberseal onto the backside of the tile to obtain 100% coverage (no voids).
- •Remove any Fresh Uberseal with Rubbing Alcohol wipes
- •To prevent fresh Uberseal from making a mess, it may be easier to perform this task with the Drain Grate removed from the shower assembly (ie perform task on a work bench)
- •Finished Tile(s) on **Drain Grate** must be **flush** with the tile(s) on the **Shower Pan**.
- •There must be a minimum **4mm wide gap** for water drainage between tile on the **Drain Grate** and **Shower Pan** and/or Wall.

2.6L.1 - Installation of Tileable Drain Grate

Diagram of Completed Installation

Fig 1:
Side View, Tileable Drain Grate,
with tile edging

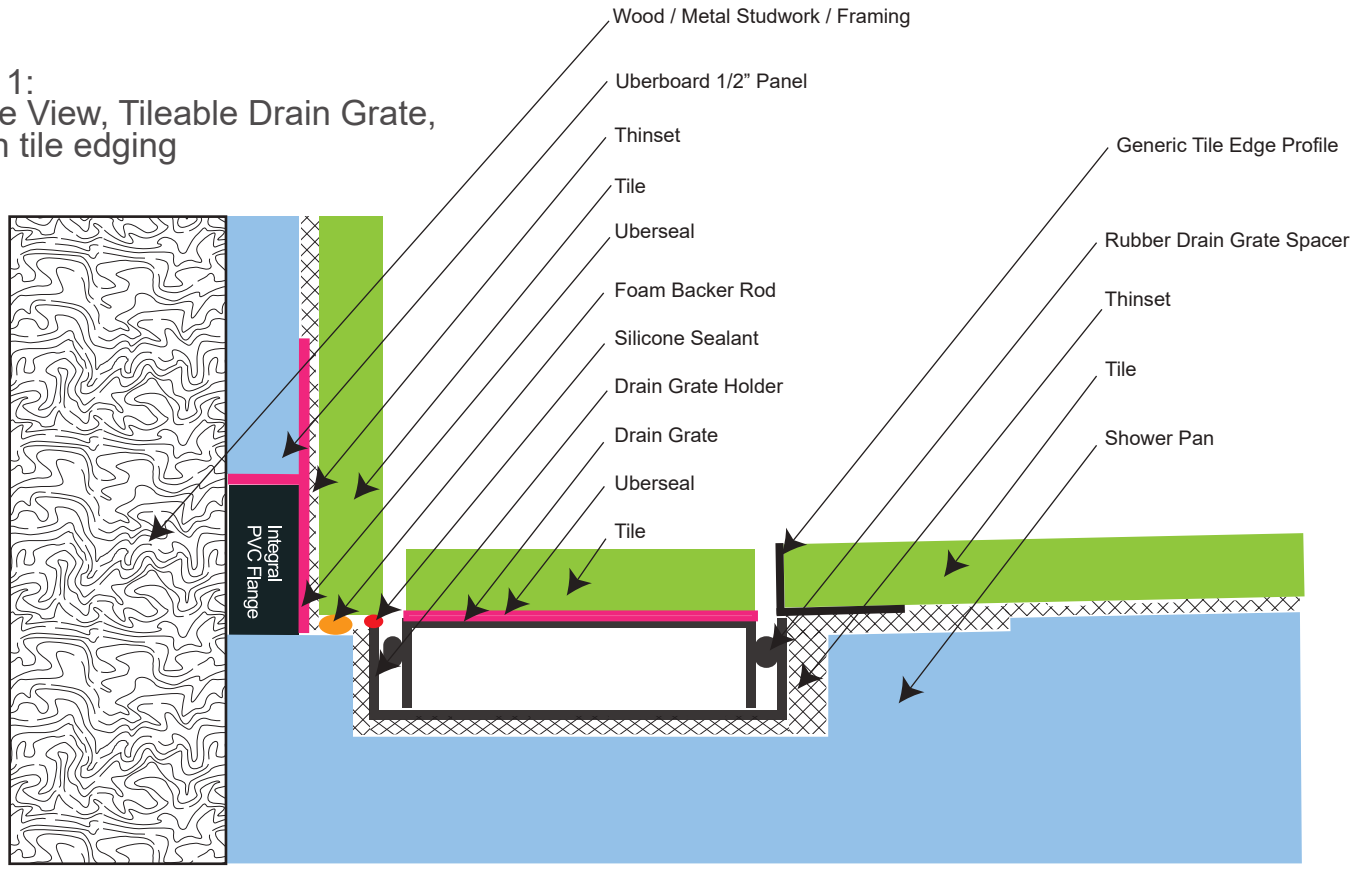
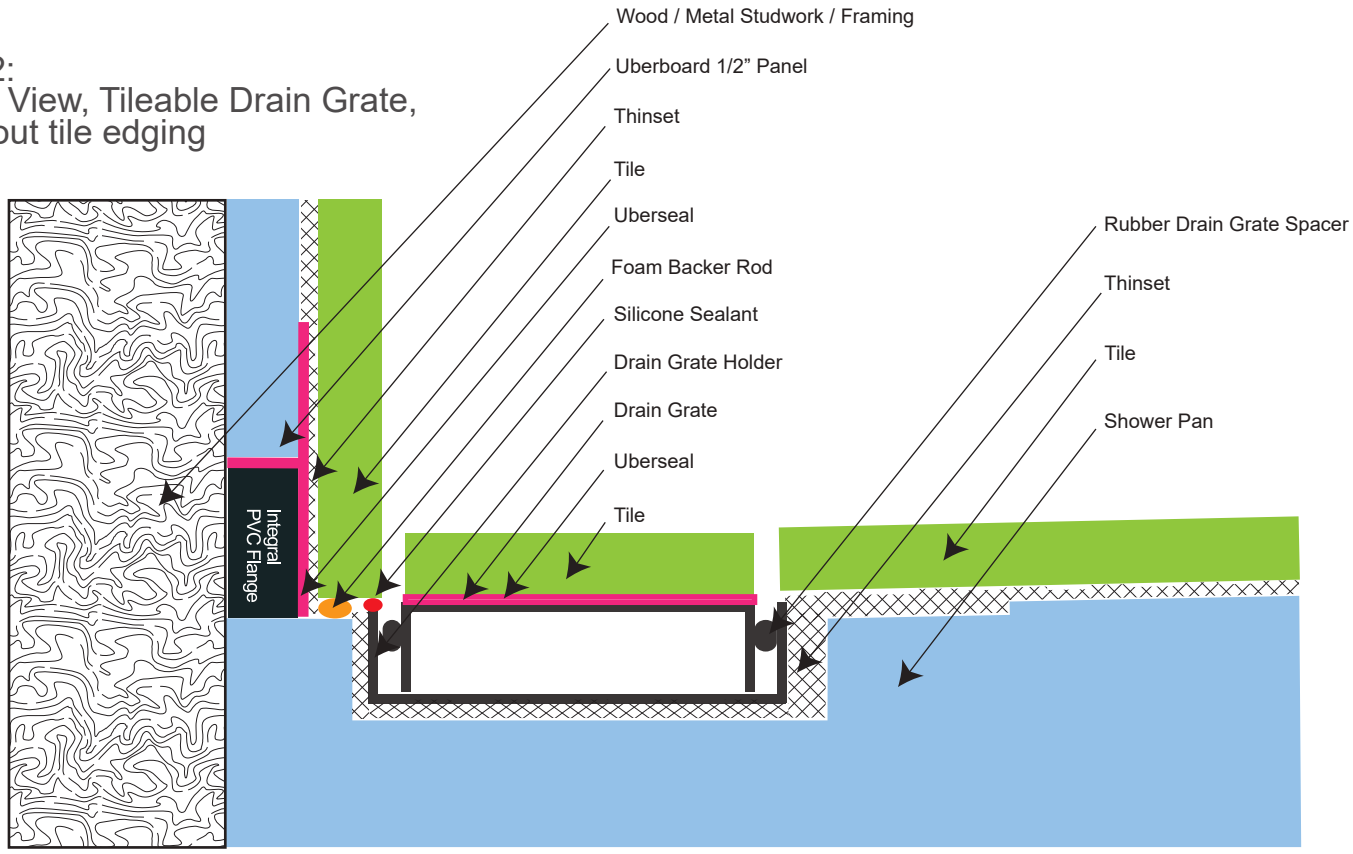


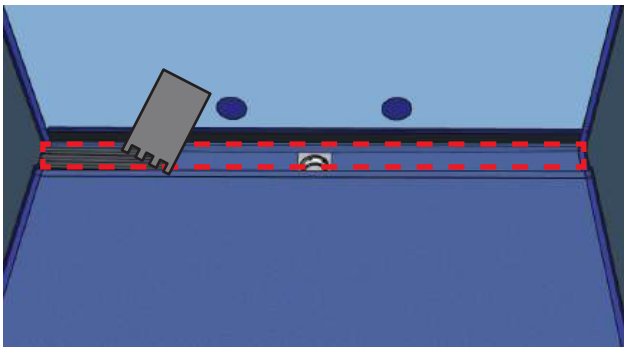
Fig 2:
Side View, Tileable Drain Grate,
without tile edging

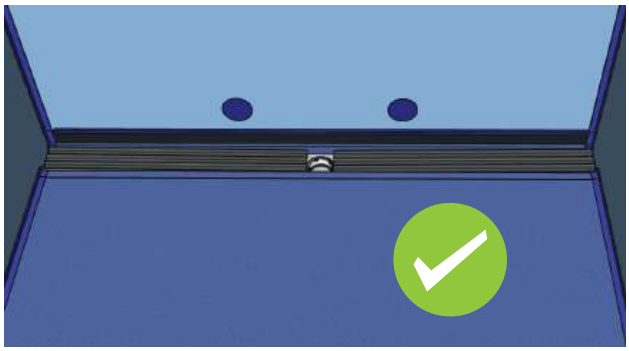


2.6L.2 - Installation of Standard Drain Grate

Adhering Grate Holder

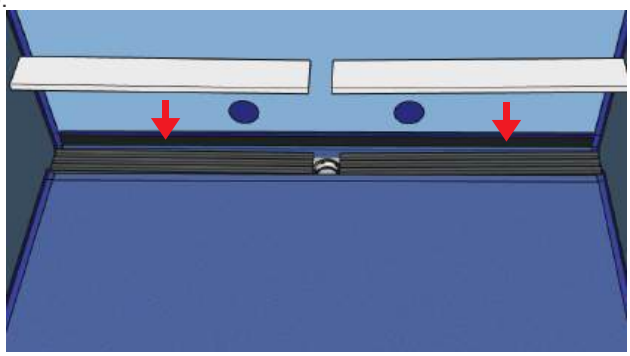
a.

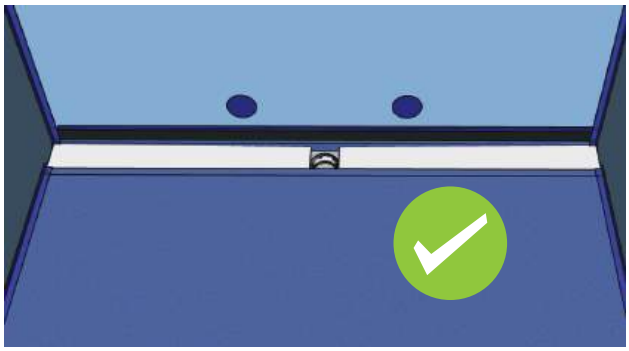




Spread **Thinset** into trough area of **Shower Pan** using the included **Mini Trowel.**

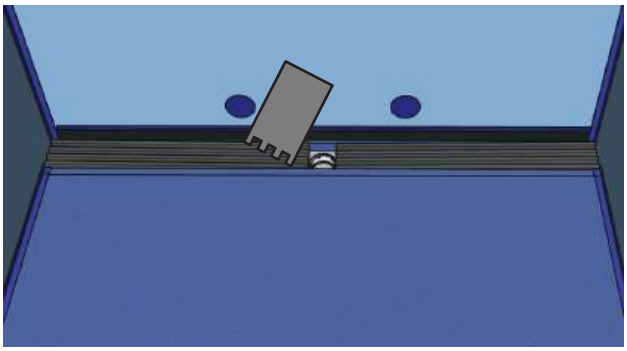
b.





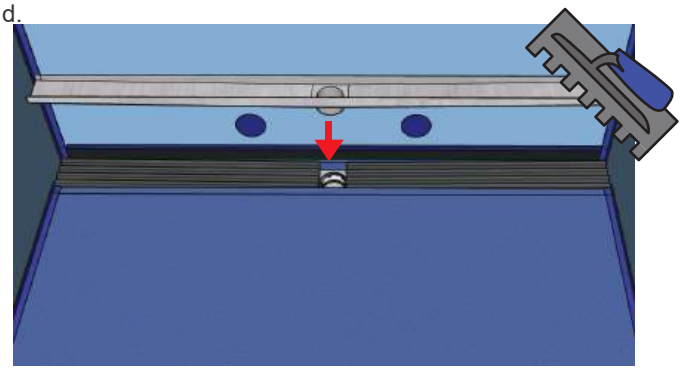
Using the same tiles as will be used to tile the shower floor, Embed tiles into still fresh **Thinset**.
Tiles must cover trough area without obstructing drain hole. Tiles must be rated for submerged use.

c.



Spread **Thinset** ontop of tiles in the trough area, using the included **Mini Trowel.**

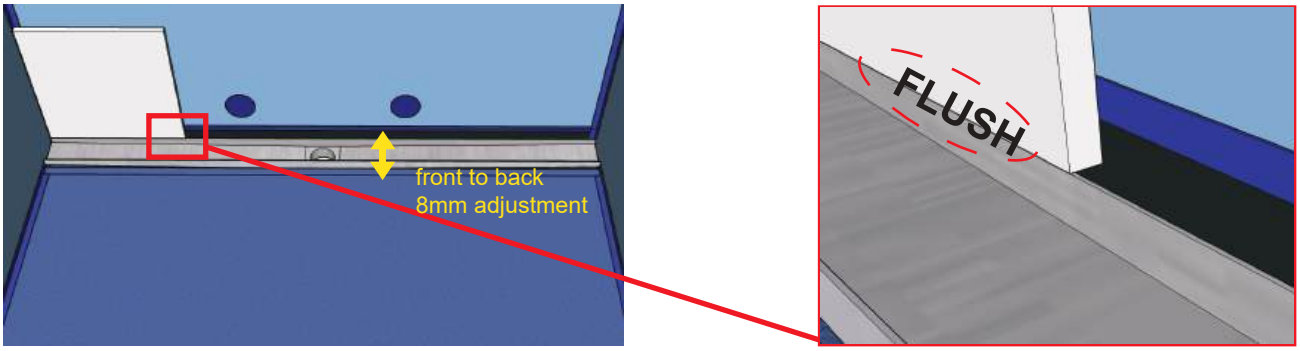
d.



Backbutter underside of **Grate Holder**.
Embed **Grate Holder** into the still fresh **Thinset**.

As steps a, b & c (above) make a **Thinset** sandwich, angle the **Mini Trowel**, to reduce **Thinset** height, allowing the finished **Grate Holder** height to match the finished shower floor tile height.

e.

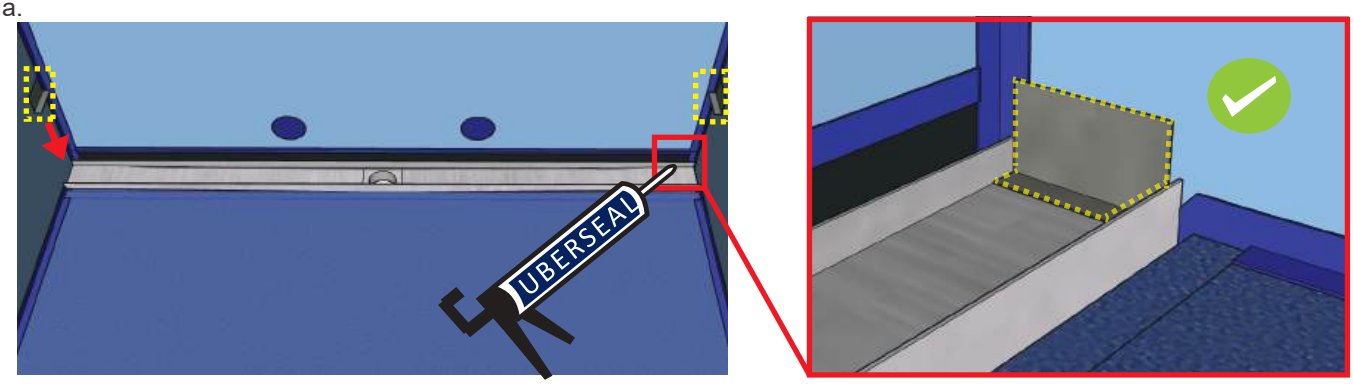


Using wall tile as a guide, adjust **Grate Holder** front & back to ensure **Grate Holder** is flush with tile face.
Allow for thickness of wall **Thinset** when setting position of the **Grate Holder.**

2.6L.2 - Installation of Standard Drain Grate

Adhering Flashing

a.



Apply **Uberseal** into inside corners where **Grate Holder** meets **Uberboard** wall panels.

Embed **Corner Flashing** pieces into wet **Uberseal**.

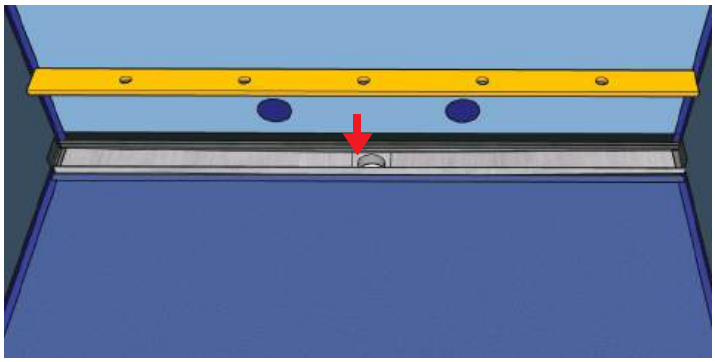
Take care not to apply excessive **Uberseal**, to avoid it spreading onto the exposed **Grate Holder** surface.

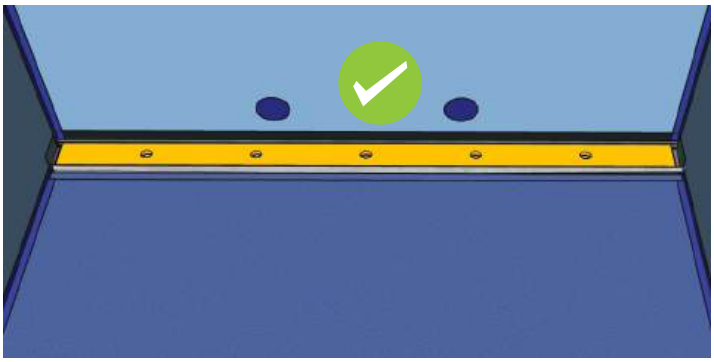
Flashing pieces should sit fairly flat against **Uberboard** protruding no further than 1/16” (1.5mm) from the face of **Uberboard** (otherwise tiling this area will be difficult).

2.6L.2 - Installation of Standard Drain Grate

Temporary Jobsite Protection

a.

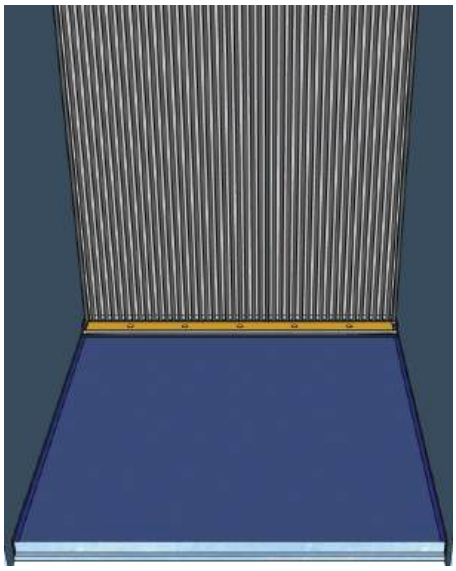


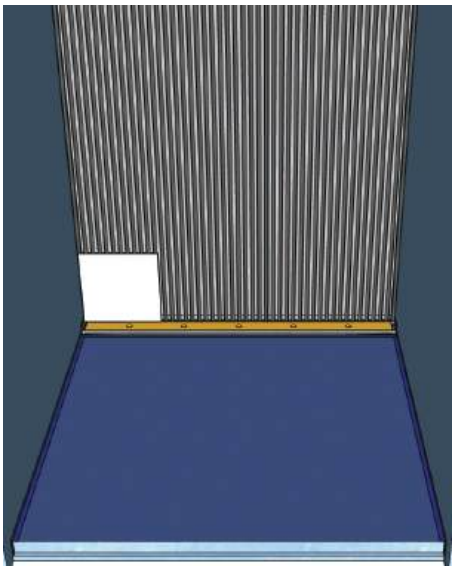


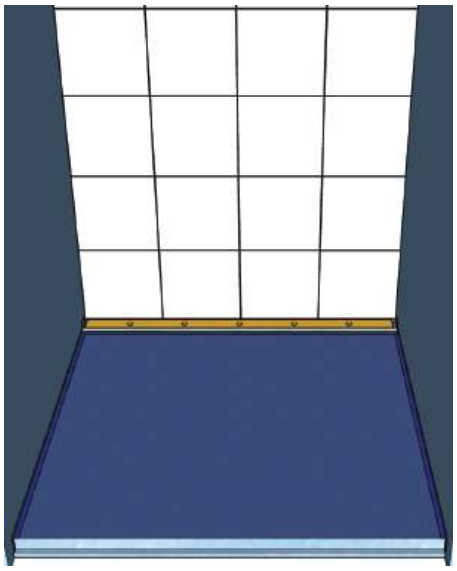
Insert **Protective Cover** into **Grate Holder** to prevent debris from entering drain while tiling.

Tiling Walls

a.

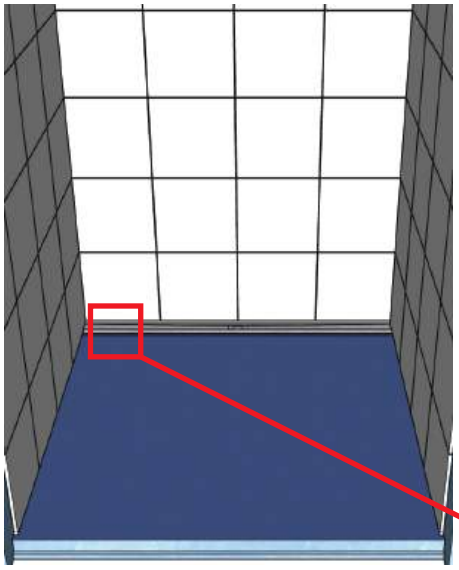


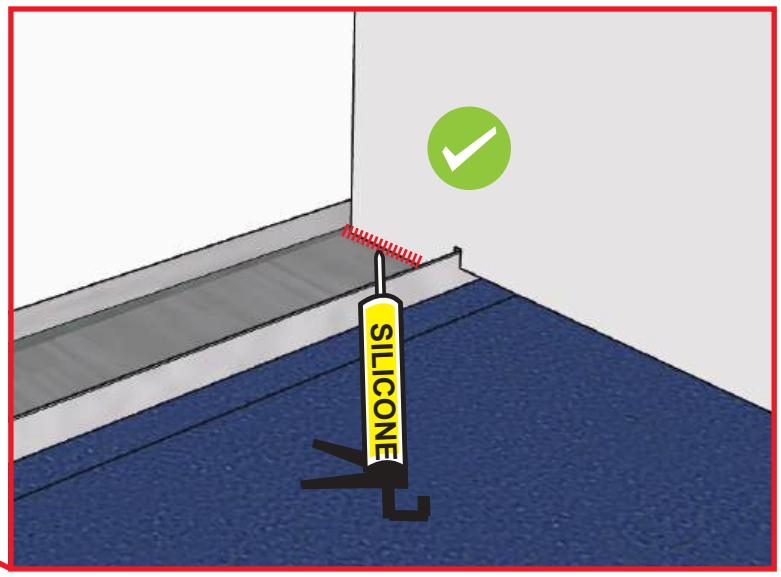




Install Tile on front wall, then the side wall(s).

b.



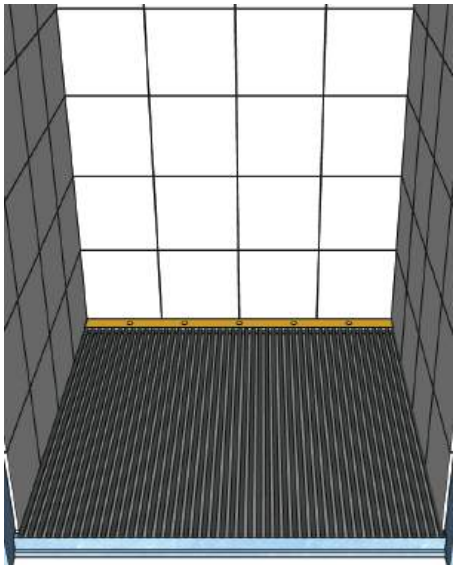


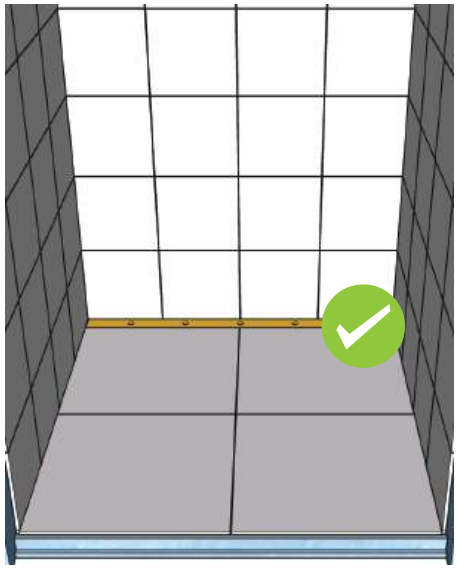
Remove **Protectice Cover** to allow installation of tile(s) on side wall(s) to fit contour of **Grate Holder**.
Prior to completion, apply silicone to seal **Grate Holder** to wall tile gap.

2.6L.2 - Installation of Standard Drain Grate

Tiling Walls

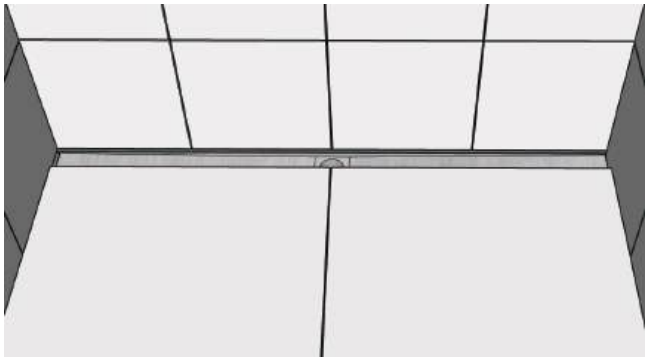
a.



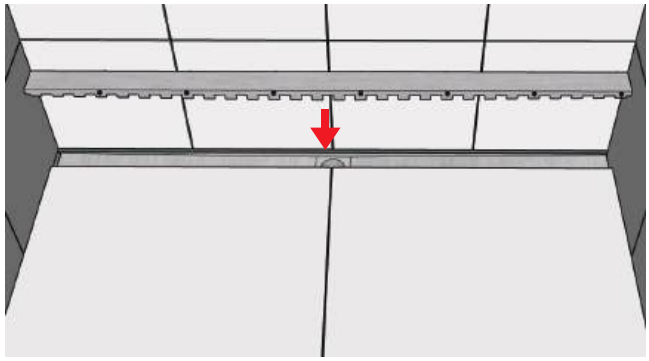


Install tile onto **Shower Pan**.

b.



Remove **Protective Cover.**



Insert **Drain Grate** into **Grate Holder**.
Drain Grate must be FLUSH with tile on surface of **Shower Pan**.

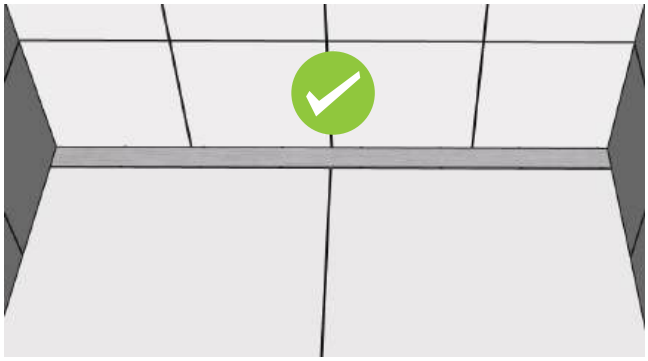
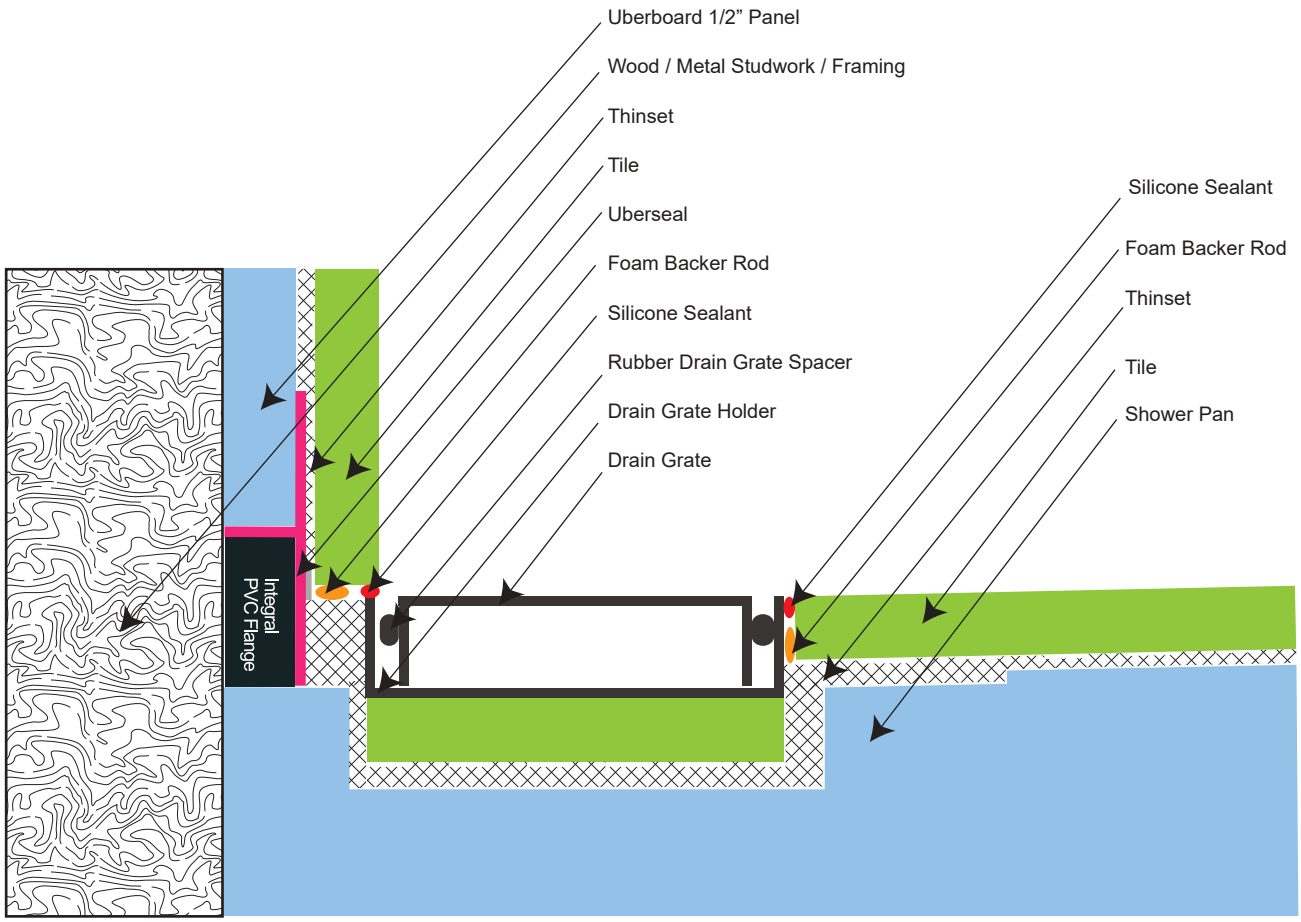


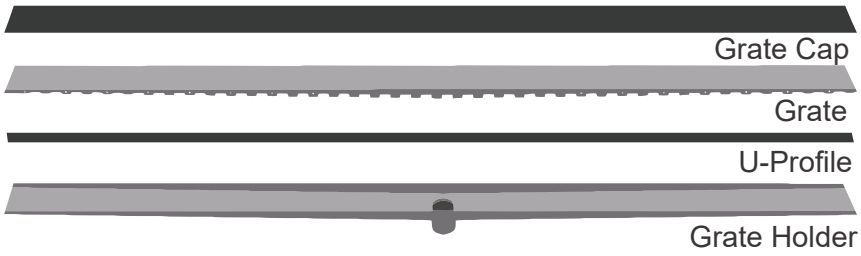
Diagram of Completed Installation

Fig 3: Diagram, Standard Drain Grate



2.6L.3 - Installation of Colored Cap

Required Parts and Materials

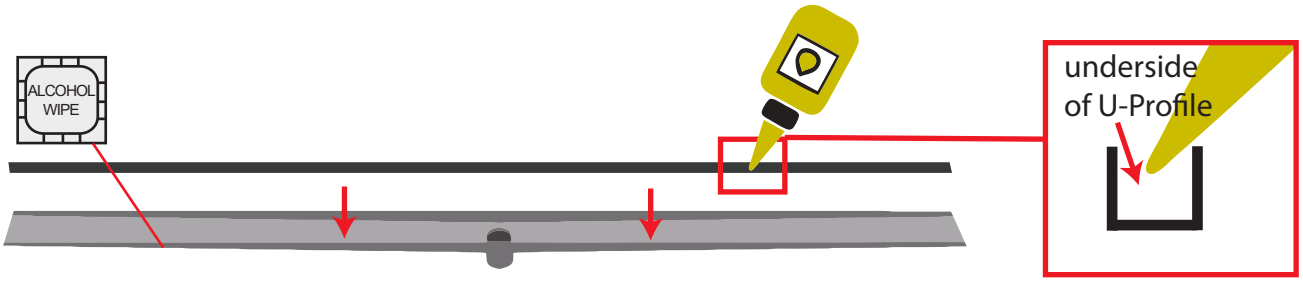


Cyanoacrylate
(superglue®)

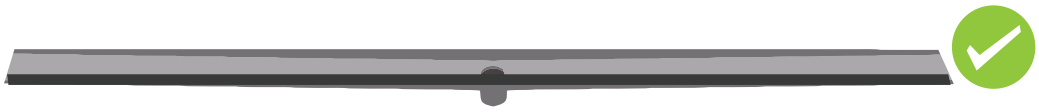
Eco-tite UC
Hybrid Sealant
Clear

Installation of Colored U-Profile

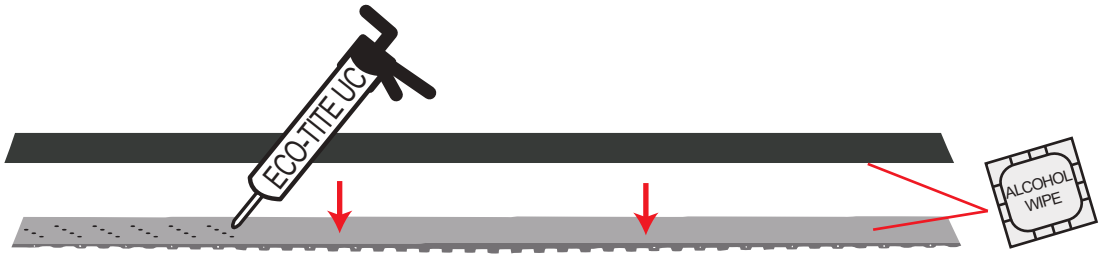
- When using an END drain, ONE **U-Profile** is required.
- When using a CENTER drain, TWO **U-Profiles** (one for each side of the **Grate Holder**)are required.
- When using a CENTER drain, use the included small rubber **Grate Spacer Nibs**.



Wipe the mating surface(s) of the **Grate Holder** with Alcohol Wipe.
Apply **Cyanoacrylate Glue** to underside (inside gap) of the **U-Profile**.
With glue still wet, firmly press **U-Profile** onto the **Grate Holder** Edge.



Installation of Colored Grate Cap



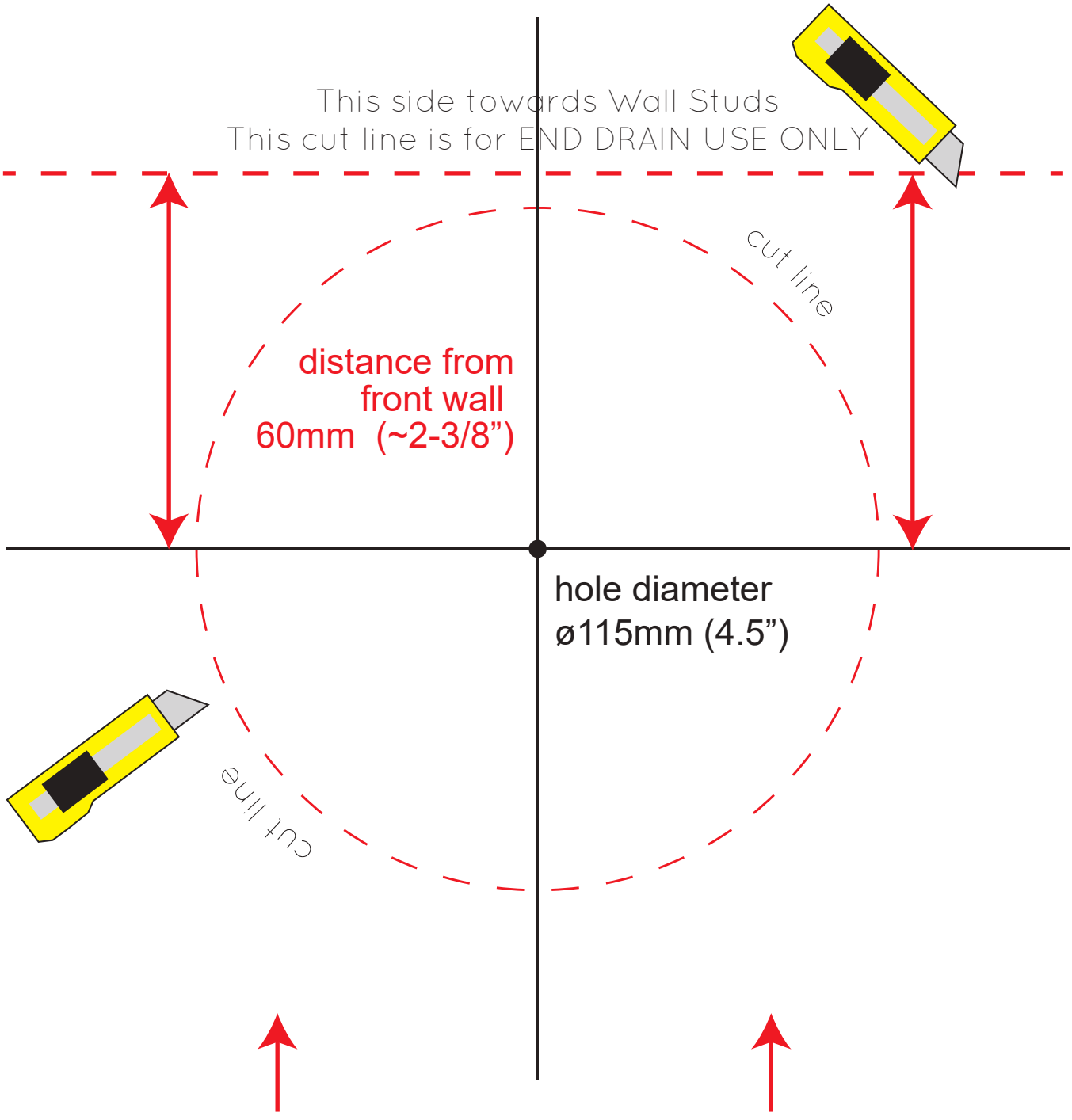
Wipe top of the **Grate** & underside of **Grate Cap** with Alcohol Wipe.
Apply **Eco-Tite UC** adhesive to top of Drain Grate, creating full coverage when compressed at 1mm thick.
With glue still wet, press **Grate Cap** onto **Grate**. Let cure 12h before moving.

Note: The **Grate Cap** adds a thickness of 3mm, which must me allowed for when tiling the shower floor.

3.1L - Cutout Template

Linear END & CENTER DRAIN Cutout Template

LINEAR subfloor cutout template
LINEAR sous-plancher modèle de découpe
LINEAR unterboden Ausschnitt-Vorlage



Face template this direction, place up to the wall stud,
when using an END DRAIN confirguration

For CENTER DRAIN configuration, the template orientation is irrelevant.

For product certification details visit:

PMG-1682