

...wedi® S-DRY™

Shower System



Support American manufacturing
and build on premium-quality
and service you can count on!

...wedi®

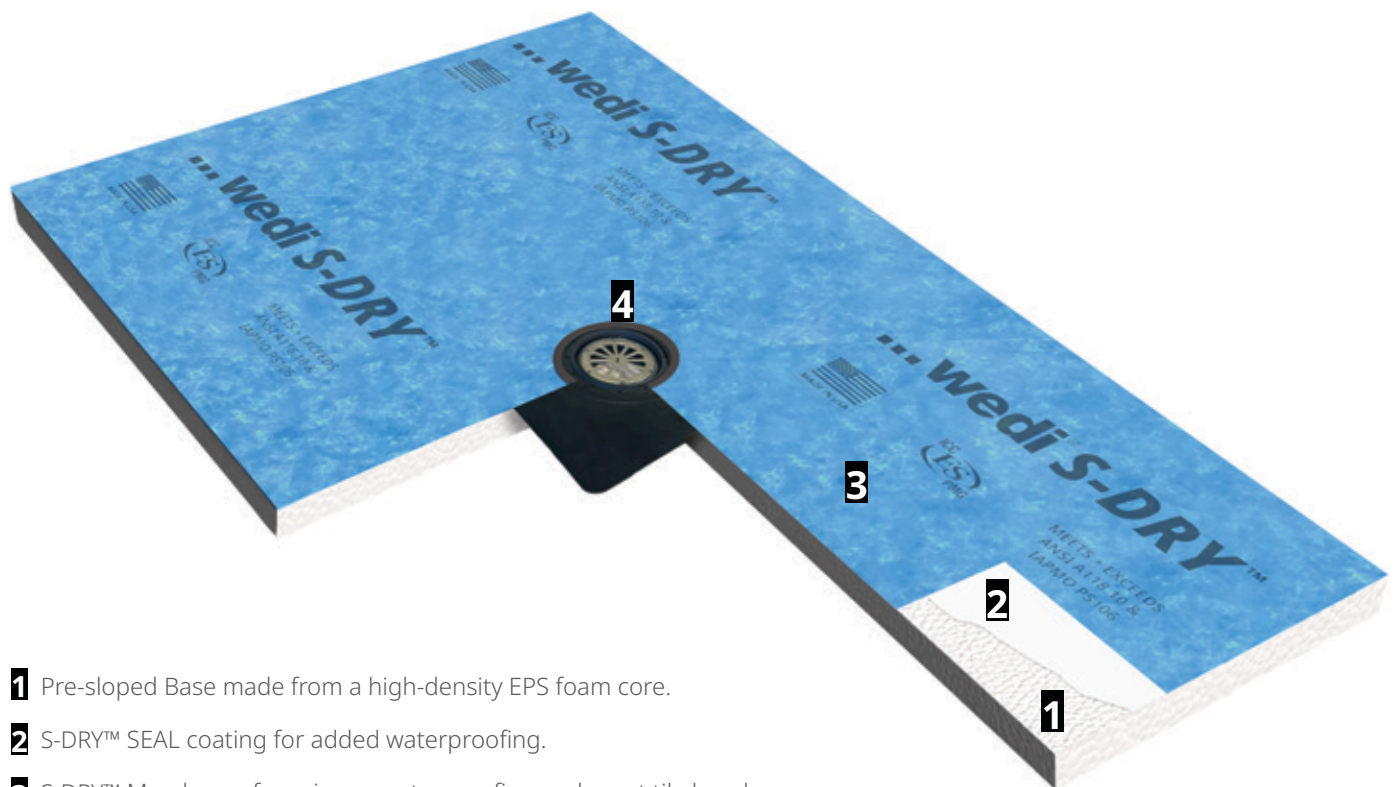
an ARDEXGROUP Company

What would you like a wedi® S-DRY™ system to do for your business or home?

- ✓ Competitive high performance and quality sheet membrane based shower system and bonding flange drains for every custom tiled shower project.
- ✓ More flexibility: waterproof over drywall, cement board, or mortar bed installations.
- ✓ Products and installation system make the full assembly waterproof, vapor retardant and naturally mold-resistant and protective.
- ✓ Easily create curbless showers by recessing into a subfloor structure (shower base is only 1 1/8" to 1 3/8" thin depending on model, consider using wedi's Curbless Recess Kit), or use with wedi® S-DRY™ Curbs or Extensions.
- ✓ Easily build steam showers and enjoy S-DRY's water and vapor proofing capability in the product, assembly method, and process.
- ✓ Designed for value: best in class product systems helping you balance material cost savings, efficient installation, and product performance goals. Backed up by wedi's unique industry leading installation assistance and certification program for professionals.
- ✓ Enjoy either a 10-Year, 15-Year or Lifetime Limited Warranty that protects what matters most to homeowners and builders.
- ✓ Made in the U.S.A.

...wedi S-DRY™ Shower System

Made especially for builders and contractors who work in residential construction and commercial project construction, the wedi® S-DRY™ system is made by the leading manufacturer of shower systems with factories in the U.S.A. and Germany bringing you more than 40 years of experience as the innovation and quality leader in the industry.



- 1 Pre-sloped Base made from a high-density EPS foam core.
- 2 S-DRY™ SEAL coating for added waterproofing.
- 3 S-DRY™ Membrane for primary waterproofing and great tile bond.
- 4 S-DRY™ Drain with wedi® Fundo Click and Seal® technology, fully integrated, reinforced and waterproofed.

Product Highlights

The wedi® S-DRY™ Shower base is waterproofed and features a durable surface allowing for small and large size tile finishes. What's more, the shower base is insulating, light but very dense and easy to cut and customize with a utility knife.



Easy to connect to waste pipes cut flush to the sub floor surface using the wedi® S-DRY™ Shower Drain/Slope line template.

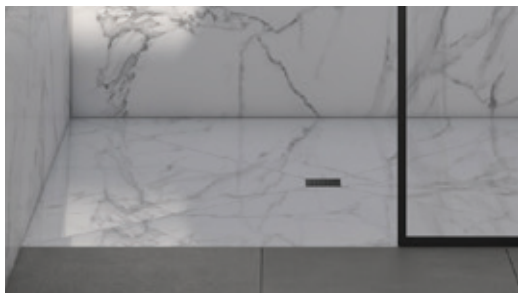
Connections are easily made from surface to a PVC, ABS, Cast iron or Copper pipe. The wedi® drain does not reach deep enough to interfere with floor joists, giving you great flexibility.



The cutting of the S-DRY™ base is done with just a utility knife and straight edge and is dust free. The bases are oversized for flexibility.



Wall membrane installation can be done with wedi® S-DRY™ and wedi® S-DRY™ XL. Seams can be taped or overlapped and actively waterproofed and bonded with wedi® S-DRY™ SEAL.



Flood test or tile installation can commence just 6 hours after completing the wedi® S-DRY™ installation. wedi® S-DRY™ can be used with large or small format tile and stone.

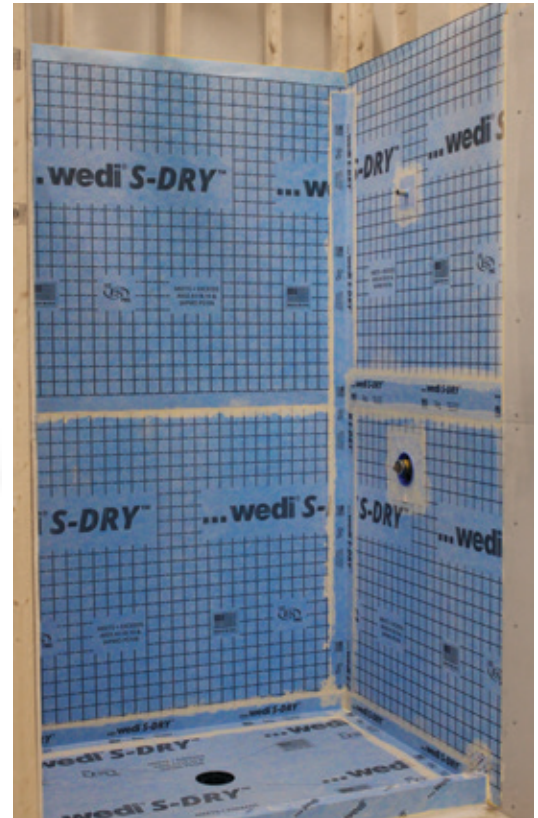


Use wedi® S-DRY™ BFD in mortar bed shower floor assemblies and benefit from all S-DRY™ drain features.

Installing ...wedi® S-DRY™ Shower Systems

...wedi® S-DRY™ Installation Manual

This installation manual will give you step-by-step instructions on how to install wedi® S-DRY™ Showers.



Did you know?

You can also use wedi® S-DRY™ with wedi® Building Panel when going directly over wall framing, or add wedi® Shower Niches, wedi® shower benches and more and use wedi® S-DRY™ SEAL and S-DRY™ tape to cover seams and S-DRY™ SEAL to cover over fastener points.

Step-by-step Installation

Recommended Tools, Equipment and Materials

Thinset Tile Adhesive Mortar Requirements:

wedi® PRO-SET™ mortar or similar tile adhesive mortar meeting ANSI A118.4 or better.

Seam Sealing Requirements:

Use wedi® S-DRY™ SEAL to apply S-DRY™ Tape to all seams and overlaps as needed.

Tools:

- 1/2 in. x 1/2 in. Square notch thinset adhesive trowel
- 1/8 in. x 1/8 in. or 1/4 in. x 3/16 in. V notch thinset adhesive trowel
- Scissors
- Utility knife
- Flat wood or plastic float
- Two 6 in. flat trowels (plastic) and wedi® S-DRY™ Trowels
- Margin trowel
- Flat head screwdriver
- Jig saw or 5 in. hole saw
- Level
- Handsaw or inside pipe cutter
- Straight edge
- Measuring tape and black marker
- Paper towels
- Thinset mortar mixer
- Buckets

Project Site Preparation



Subfloor is stable and load bearing, flat and level, and meets deflection criteria of minimum $L/360$ as per IRC. Wooden or concrete structural substrates are dry and sufficiently load bearing considering live and dead load.

You can install the wedi® S-DRY™ Shower base to concrete or wooden subfloors. You can install the wedi® S-DRY™ membrane to drywall, cement board or other suitable substrates prepared to bond with thinset mortar.

Wood and steel framing and drywall/backerboard panels are sufficiently load-bearing, even, level, and square.

Floor drain assembly below floor is stabilized, fixed and supported in position, and will not sink under water load. Waste pipe is level and plumb.

If installing a curbless shower please consider using the wedi® Curbless Recess Kit which will help you recess a standard 23/32" Plywood subfloor in between and flush with 16 o.c. spaced solid or engineered floor joists. Once installed in thinset mortar, the wedi® S-DRY™ shower base (if you choose a model with 1 1/8" perimeter thickness) will reach out of the recess by approx. 1/2" to 9/16". You would want to ensure that the adjacent bathroom floor is covered with a tile underlayment and surfaces allowing for a waterproofed and flush transition into the shower base area.

Follow all applicable building codes and industry guidelines.



Cut wedi® S-DRY™ membrane to size prior to mixing of thinset adhesive using scissors or a utility knife.

Note:

Before cutting wedi® S-DRY™ membrane, consider whether seams are constructed by overlapping the edges of the S-DRY™ membrane 2" (50 mm) at the designated overlap areas or by abutting the edges and covering the joint with wedi® S-DRY™ Tape using wedi® S-DRY™ SEAL, which are both wedi® approved techniques.

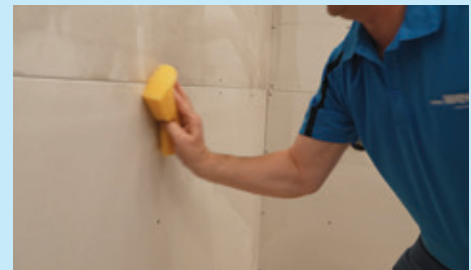


If installing directly over framing, you can use a wedi® Building Panel and install these first. No Joint Sealant is needed to connect or seal the wall panels at seams or over fastener points. They are installed butted tightly with wedi® fasteners placed at a rate of one every 12 inches and in between panels. The S-DRY™ shower base is later installed tight against the panels and S-DRY™ tape and prefabricated S-DRY™ corners are installed over all seams and fully embedded in S-DRY™ SEAL. Fastener points are later covered with S-DRY™ SEAL, covering 1 inch past the metal.

If any wedi® Joint Sealant is used between Building Panel connections please remove any squeezed out sealant prior to applying S-DRY™ SEAL and S-DRY™ Tape. S-DRY™ SEAL does not adhere well to wedi® Joint Sealant.



Naturally tapered drywall seams should be prepared using wedi® PRO-SET™ or appropriate patching material to ensure finished membrane is installed over flat substrate.

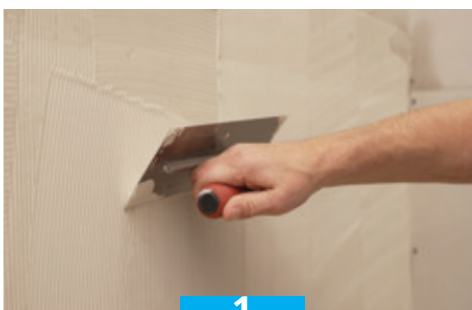


If drywall seams are covered with drywall compound, a PVA primer must be used before installing wedi® S-DRY™ Membrane. If no compound is present, use a moist sponge to wet drywall or CBU.

Note:

wedi® PRO-SET™ or suitable modified thinset mortar meeting ANSI A118.4 or better is used to adhere wedi® S-DRY™ Membrane and wedi® S-DRY™ Base.

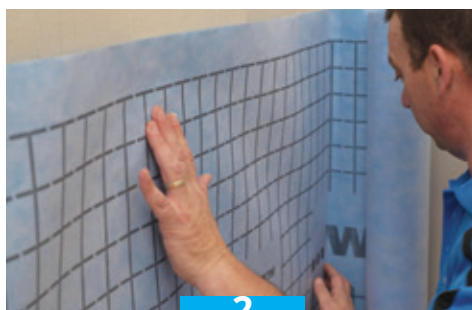
Installing ...wedi® S-DRY™ on shower walls



1

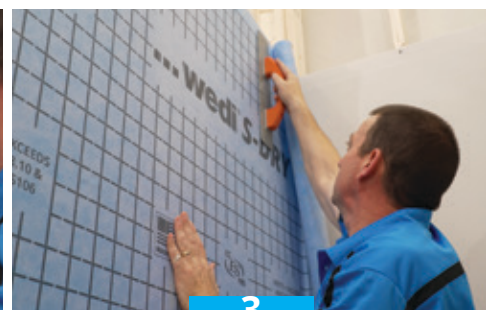
Apply wedi® PRO-SET™ mortar first by using the flat side of the trowel to key in the mortar to the substrate. Then use the notched side of the trowel to apply mortar to the substrate using a 1/4" x 3/16" (6 x 5 mm) V-notched or 1/8" x 1/8" (3 x 3 mm) square notched trowel.

(Note the open time of the mortar).



2

Press wedi® S-DRY™ membrane, print side out, fully into the bond coat.



3

Work the wedi® S-DRY™ membrane into the mortar by applying pressure to the membrane with the flat side of a wood, rubber or plastic float in smooth, diagonal sweeps.

Air bubbles must be avoided. Apply pressure to smooth out thinset ridges, leaving a consistent layer of thinset for coverage and support purposes.

Installing the ...wedi® S-DRY™ Shower Base



4

Cut a 5" hole in the substrate for the drain outlet and waste pipe using the template provided to mark the hole. If pipe is in place, use center hole of template to slide over 2" pipe. Using the inside diameter of the larger hole, mark your 5" hole on the subfloor. Proceed to cut the hole using a jigsaw or multitool.

The 2" waste pipe should be installed centered on the 5" hole in the subfloor. Waste pipe must be securely fastened to adjacent framing to avoid any movement. Waste pipe must be cut flush with the top of the subfloor. Best practice is to use a multitool or inside pipe cutter to accomplish the cut on the waste pipe.



6A

To determine the distance between the center of the 2" pipe to all walls and where you plan to have the inside of your S-DRY™ Curb, use the template provided. The center lines of the 2" pipe can be found by aligning the template over the waste pipe using the center hole, being sure that the template is square to all walls. Use the lines (marked 5) on the template to align a straight edge to mark your center lines of the 2" pipe. Mark a line on the subfloor. Repeat this step to find the perpendicular center line. Using these lines, measure to the walls and curb.

Transfer measurements to shower base and draw connecting lines, which are the lines to cut through.



7

Once the base is trimmed to size, dry fit to ensure proper alignment.

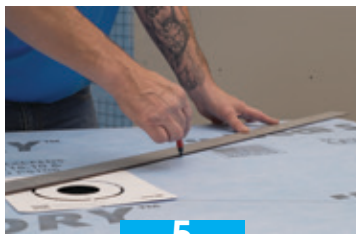
Be sure to remove locking ring, compression spacer and sealing gasket from drain prior to installing base.

Clean the subfloor using a moist sponge.



8

Be sure to fill cavities on the back of the drain hub with thinset, being careful to keep the inside of the drain hub free of any thinset.



5

If installing tile requiring relief cuts at the slope lines of the base, use provided template to mark pitch lines prior to cutting. Align outer diameter of larger circle with the edge of S-DRY™ Membrane at the drain. Be sure template is square to all sides of the base. Using the lines on the four corners of the template, draw a line using a marker connecting these lines with the corner of the base.

Note:

If using smaller format tiles not requiring relief cuts, disregard step 5 and move on to step 6A/B.

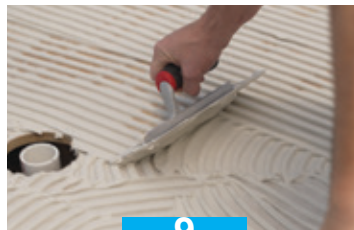


6B

Cut the base to size as needed using a utility knife and straight edge.

Cut equally on all sides to maintain a level perimeter. Alternatively, if the base is trimmed unequally on each side, the bottom course of tile may need to be scribed in order to maintain a level tile installation.

Use the center of the 2" waste pipe as a starting point to measure to the walls and curb.



9

Dampen the substrate using a wet sponge ensuring any dust and debris has been removed from subfloor surface.



10

Once thinset has been applied to the base and subfloor, set base into wet thinset being sure it is properly aligned to be tight against the walls.

Using the flat side of a 1/2" by 1/2" square notched trowel, first key in wedi® PRO-SET™ or suitable modified thinset to the substrate.

Next, use the notched side of the trowel and comb through the thinset being sure all ridges face in the same direction and parallel to the shortest side of the base. Be sure to achieve a 95% coverage of thinset mortar under the wedi® shower base once it is put in place.



11

Step in and around the entire base to compress the thinset ridges achieving proper coverage.

Clean any residual thinset from the surface of the base using a wet sponge. It is best practice to cut a piece of cardboard to cover the base for protection throughout the remainder of the installation.

Connecting the ...wedi S-DRY™ Drain



12

Using the supplied lubricant, apply lubricant to the rubber sealing gasket.



13

Next, install the compression spacer around the waste pipe with the flat side up.

Insert the rubber sealing gasket around waste pipe and to the bottom of drain with the groove facing up.



14

Next install the locking nut with flat side facing down.

The wrench/hair catcher is inserted into center of the locking nut. Using a flat blade screwdriver, turn the wrench counter-clockwise until hand tight. This completes the watertight connection to the waste pipe. The hair catcher remains in the unit.



Using the flat side of a trowel, apply a bond coat of wedi® PRO-SET™ or suitable modified thinset to the underside of the base.

Installing the ...wedi® S-DRY™ Curb



15

Measure, cut and dry fit the curb. Cut the curb to length using a fine toothed handsaw, being sure the curb is situated tightly to abutting walls.



16

Apply wedi® PRO-SET™ to the underside of the curb with the flat side of the trowel.



17

Apply wedi® PRO-SET™ on the subfloor, being sure to key in the mortar as before. Then, use a 1/2" x 1/2" square notched trowel or appropriate notch trowel to achieve the required 95% thinset coverage, being sure the notches are parallel with the short width of the curb.



18

Apply thinset to the vertical edge of the shower base where the curb will be installed, being sure not to get thinset on the top of the base.

Note:

If thinset gets on the shower base membrane, be sure to wipe off immediately with a damp sponge.



19

Apply wedi® PRO-SET™ to the end of the curb using a 1/2"x1/2" square notched trowel, being sure to key in mortar to the foam as before.

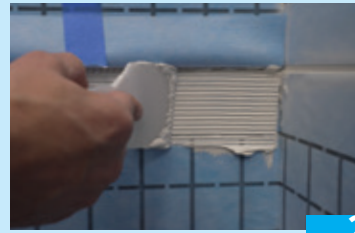


20

Install curb into thinset, being sure to achieve full coverage by shifting curb back and forth. The curb must be level alongside its length and a 2% pitch should be achieved on the curb top pointing towards the drain by shimming the outside edge of the curb using hard spacers/wedges. Once thinset has cured, remove spacers/wedges and back fill areas with thinset for full support.

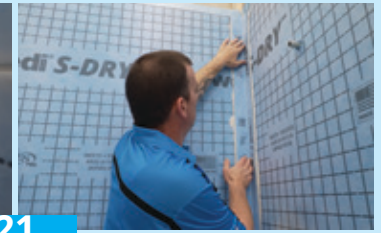
If two or more sides of the shower have curbs, miter the curb corner and apply thinset between pieces using a 1/2" x 1/2" square notched trowel or appropriate notch trowel to achieve the required 95% thinset coverage.

Apply weight on and against curb to ensure tight positioning against the base while the thinset cures.



21

If covering abutting seams using wedi® S-DRY™ tape, pre-cut before mixing wedi® S-DRY™ SEAL. Once mixed, apply wedi® S-DRY™ SEAL using a 3/16" x 5/32" wedi® S-DRY™ SEAL V notch trowel or equivalent to install either a 2" overlap or S-DRY™ Tape.



22

Press the tape into the S-DRY™ SEAL using a combination of flat or corner putty knives as needed, creating full contact and coverage beneath while smoothing out to remove any trapped air.

Spread excess S-DRY™ SEAL flat at edge of joint. If you can't clearly see S-DRY™ SEAL past the perimeter of the S-DRY™ Tape once embedded, spread S-DRY™ SEAL a minimum of 1" past the edge of S-DRY™ Tape to ensure a watertight seal.



23A



23B

Next, treat all seams at shower walls, base and curb by mixing and applying S-DRY SEAL. Then, apply the S-DRY SEAL to bond and waterproof S-DRY™ tapes and/or overlaps where applicable.



23C



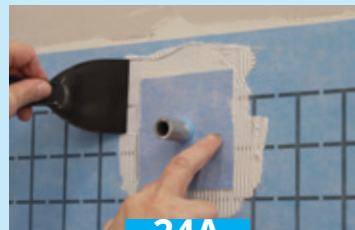
23D

For inside and outside corners, adhere pre-formed wedi® S-DRY™ corners. For shower base/wall connections, use S-DRY™ Tape folded in half to achieve minimum of 2" overlap on the shower base as well as the wall.



23E

Tape, Corners, Pipe, Valve Seals and Custom Seals are all installed using wedi® S-DRY™ SEAL, applied using a 3/16" x 5/32" wedi® S-DRY™ SEAL Trowel or equivalent. Press the membranes into the wedi® S-DRY™ SEAL using a flat plastic putty knife creating full contact and coverage beneath while smoothing out to remove any trapped air. Spread excess wedi® S-DRY™ SEAL flat and evenly at the edge of the joint to assure a complete seal is made.



24A



24B

Install wedi® S-DRY™ Shower Pipe Collar at shower head, body sprays, etc. and wedi® S-DRY™ Mixing Valve Collar at the mixing valve.

When premade seals do not fit, a custom piece of S-DRY™ membrane should be cut to fit tight to penetration and extend a minimum of 2" overlap onto wall membrane.

Sealing the Wall Seams and Base

How to Mix and Apply ...wedi® S-DRY™ SEAL

Recommended Tools

For best results, mix with a ring mixing paddle and a high speed drill.

Mixing the two components (Liquid and Powder)

Pour half (16 oz) Liquid into the mixing bucket followed by one bag of Powder. Do not add any water or other additives. Mix thoroughly for 2-3 minutes and re-stir just prior to application to ensure creamy and lump free consistency.

To mix a full batch of wedi® S-DRY™ SEAL to the desired spreadable consistency, mix one part of liquid with one part of powder by volume. A full batch consists of 16 fluid oz. of powder and 16 fluid oz. of liquid, which ensures the material can be used up during its pot life.

Installing the ...wedi® S-DRY™ Drain Cover



25

Once tiling commences, insert the Alignment Ring, with threaded insert facing up, into the drain area with the notch on the ring aligned with the arrow on the drain hub.



26

Next, insert the snap ring by aligning the arrow on the top with the arrow on the drain hub and inserting the tab into the slot on the drain hub. With slight pressure applied to the Snap Ring, the remainder of the 3 tabs will snap into place, locking the alignment ring in place while allowing it to move laterally.



27A

Next, thread the Height Adjustment Collar into the Alignment Ring. Be sure to engage a minimum of one complete turn. The drain cover is then set on top of the Height Adjustment Collar.



27B



28A

To determine the finish height of the drain cover you may need to cut the height adjustment collar. Use a piece of cardboard or similar under your shower floor tile to mimic the thickness of your compressed thinset bed.



28B

Place this next to the cover and measure from the top of your tile to the top of the drain cover.

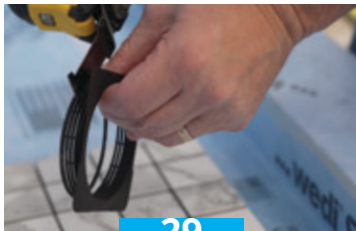
Note:

Installing a shower niche is simple, insert a wedi shower niche and cover seams to the surrounding wall using S-DRY™ tape in a full bed of S-DRY SEAL™. wedi shower benches can be added into a wedi® S-DRY™ installation by following these products standard installation steps but with seams covered with S-DRY™ tape embedded in S-DRY™ SEAL.

Note:

In cases where a tileable cover plate is needed, please select from available options in wedi's Fundo® product family (1/4" and 3/8" thick options available). Where these are installed, use of the Alignment Ring, Snap Ring, and Height Adjustment Collar is not required. Tileable cover is placed centered over waste pipe with the corner notches resting on the outer ring of the drain body. Once tileable cover is in place, be sure to fully fill areas around the cover with thinset prior to tile installation. This will ensure your tile is properly supported.

Also, other Premium Drain Covers from the Fundo® Shower System Drain Cover range can be used with S-DRY™ but you will need to use them with the S-DRY™ Fundo® Drain Cover Support Kit. Purchased separately.



29

Remove the cover and the Height Adjustment Collar. Measuring from the bottom (threaded end) of the Height Adjustment Collar, cut off the amount equal to the measurement from step 28 using a fine tooth hand saw or multitool.

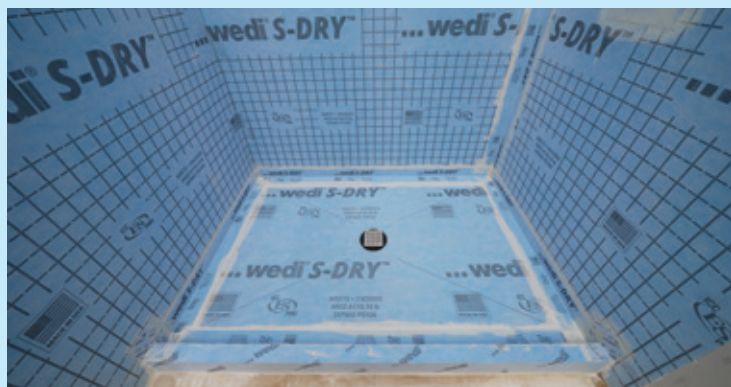


30

Sand any remaining tabs flat on the Height Adjustment Collar. Re-thread into the Alignment Ring to achieve the desired height to flush out with finished tile height.

Be sure this is done prior to finished installation of tile as you will not be able to turn the drain cover once tile is installed in the area around the drain cover.

After Installation



Make sure that shower doors and glass panels are installed tightly to contain water inside the shower. Ensure that doors are installed only to load-bearing, reinforced framing. Consider the wedi® Shower Curb AT (Anchor Track), when planning to mount glass door or panel fixtures through the curb surface using hardware or fasteners. We recommend fastening doors only at walls, thoroughly waterproofing all penetrations of the waterproofing layer (such as S-DRY™ membrane), and keeping water away from these areas by applying silicone at the door frame and connecting it to the S-DRY™ membrane.

If performing a full shower base surface flood test, test the drain first to ensure that the drain connection to the plumbing waste pipe is functioning properly and is waterproof. The full surface flood test should not exceed 24 hours. Flood testing is not required for non-absorbing products like wedi®, but it may be required by a building inspector.

When tiling commences, do not use any premixed ("mastic") tile adhesives over wedi® systems in wet-area installations. When tiling the wedi® S-DRY™ Shower Bases, including extensions, tile thickness should generally be no less than 1/8 inch thick. Be aware that wedi® S-DRY™ drain covers are 3/16 inch thick, so very thin tile must be appropriately supported by a compressed thinset

bed to reach an installation height slightly higher than the cover. Plan for a 1/4 inch overall tile installation height.

Choose tile-setting materials appropriate for the type of stone, ceramic, or glass tile, as well as for wet-area installations. Use wedi® PRO-SET where possible to enjoy the installation process, achieve superior strength, and provide your customer with added peace of mind knowing that this part of the project is also protected under the wedi® warranty.

Ceramic and stone tile must be installed in accordance with ANSI A108-A118-A136.1, details and requirements established by the Tile Council of North America, and specific manufacturer recommendations. The following recommendations are made specifically for tile installation over wedi® products and supersede when in conflict with other requirements and limitations.

Tiles should have a minimum thickness of 1/8 inch (3 mm) and adequate for the application on a sloped surface in a wet environment.

The appropriate trowel size should be selected based on recommendation by manufacturers of mortar and tile and a thinset mortar coverage under the tile of 95% or greater must be achieved. It is recommended to remove factory applied mesh if this can interfere with adhesion transfer of mortar to the back of the tile or substrate. Some tiles should be back buttered. Tiles with a square size larger than 1 x 1 inches (25.4 mm x 25.4 mm) and with no side 1 inch (25.4 mm) or shorter, may be installed using a modified cement based thinset mortar in accordance with ANSI A118.4 or *ANSI A118.15 (C2, T, E) and a modified cement based grout in accordance with ANSI A118.7.

Tiles with a square size 1 x 1 inches (25.4 mm x 25.4 mm) or shorter may be installed using a combination mortar and grout made from 100% solids epoxy in accordance with ANSI A118.3.

wedi® showers that are subject to increased point loads (example: wheelchair, shower chairs) should be tiled with tiles of a square size 2 x 2 inches (50.8 mm x 50.8 mm) or larger and with no side shorter than 2 inches (50.8 mm), and should be installed using a combination mortar and grout made from 100% solids epoxy in accordance with ANSI A118.3.

*ANSI A118.15 (C2, T, E)

C - Cement based mortar mix, 2 - Improved and higher bond strength, T - Thixotropic (non-sag), E - Extended open time

Step-by-Step Installation of the wedi® S-DRY™ Bonded Flange Drain:

1

Using supplied template, slide center hole (marked 1) over 2" waste pipe and use outside diameter of hole (marked 2) to mark for 5" sub floor hole cutout. Use line as guide to cut hole in sub floor using jigsaw or similar. Be sure waste pipe is securely fastened to adjacent framing to avoid any movement in pipe.



2

Determine thickness of dry pack requirement, being sure to figure 1/4 inch per foot Slope requirement.

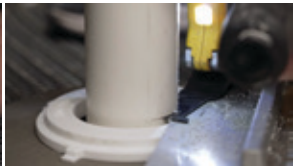


3

Remove the center ring of foam from the provided support. If dry pack is 3/4 inch or 1 inch, use center of foam support to cut waste pipe. Using a knife, carefully cut the breaking points or connections to the center ring. This prevents accidentally tearing larger sections of the foam spacer. If dry pack is 3/4 inch thick at drain, place foam support around 2 inch pipe on subfloor with lower circle in the 5 inch hole in the subfloor with 3/4 inch label facing up.

If dry pack is 1 inch thick, flip the foam spacer over so the 1 inch label is facing up and the foam sits flush on the subfloor. Place a thin metal trowel on top of the foam support, then use a multitool to cut the wastepipe flush with the metal trowel. If thicker dry pack is needed, additional 1/2" spacer can be made from 1/2" thick wedi® Building Panel or cement board and glued to the included, white foam support, and can be used to accommodate thicknesses up to 1 1/2" .

Use in combination with center portion of spacer previously removed to cut pipe equal to desired dry pack thickness. If dry packs thicker than 1 1/2" are needed, additional supports will need to be made from an appropriate thickness tile underlayment like wedi® panel, cement or fiber board, exterior grade plywood or similar foam material. Repeat the steps to cut wastepipe.

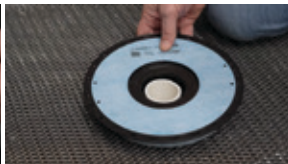


4

Once wastepipe is cut, clean up any debris and place bonded flange drain over wastepipe and on top of the outer ring of the foam spacer and any additional spacers as needed. Lubricate the gasket with supplied lubricant and slide around wastepipe, groove side facing up to the bottom of the drain.

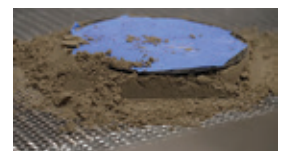
Next, take compression spacer with flat side facing up and slide around wastepipe until engaged with gasket. Install locking nut with flat side down, being sure to turn counterclockwise to engage threads. The wrench/hair catcher is inserted into the center of the locking nut. Using a flat blade screwdriver, turn the wrench counterclockwise until hand tight. This completes the waterproof connection to the waste pipe.

It is recommended to plug the area around the drain to keep any debris from going down the waste pipe. It is also best practice to protect the membrane on the drain while screeding your dry pack using painters tape or similar.



5

Proceed with installing dry pack to industry standards. When installing dry pack under the outer flange of the BFD, using a slightly more damp mortar in this area will help to ensure full support is achieved. Once mortar is placed and packed under the drain flange, be sure to apply downward pressure by hand on the BFD while completing your dry pack to ensure drain does not become separated from the dry pack.



6

Once dry pack has had sufficient time to cure, cut S-DRY™ Membrane and S-DRY™ Tape to size as needed to cover entire shower floor and transition onto walls. S-DRY™ Membrane needs to extend to overlap onto the drain flange's membrane as well as extend up walls a minimum of 2in. Using supplied template, center on the drain flange and use inside diameter of hole (marked 3) to mark and cut hole for drain cutout in membrane.



7

Using wedi® PRO-SET™ mortar or equivalent, spread mortar over dry pack using 1/4" x 5/16" V-Notched or 1/8" x 1/8" square notched trowel. Be sure the thinset is engaged into the W shaped openings in the outer flange of the drain being careful to not get thinset on the drains membrane. If thinset gets on the membrane, use a damp sponge to remove any residue.

Remove any thinset from the drain membrane before moving to step 8.



8

Mix S-DRY™ SEAL according to directions and apply to membrane on flange using the S-DRY™ Trowel or equivalent. Be careful to not mix S-DRY™ SEAL with thinset on the membrane. Use a wooden or plastic float to press membrane into mortar and S-DRY™ SEAL to achieve full coverage. It is best practice to press the membrane into the S-DRY™ Seal and work away from the drain. Clean any S-DRY™ Seal from around the drain opening using a damp sponge. Make sure any thinset residue is cleaned off the membrane prior to moving to step 9.



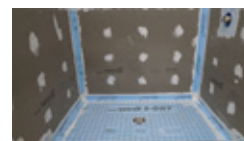
9

Proceed with installing S-DRY™ tape and corners as needed using S-DRY™ SEAL to adhere.



10

Allow to dry for a minimum of 6 hours prior to flood testing or installation of tile.



11

Once tiling commences, insert the Alignment Ring, with threaded insert facing up, into the drain area with the notch on the ring aligned with the arrow on the drain hub.

Next, insert the Snap Ring by aligning the arrow on the top with the arrow on the drain hub and inserting the tab into the slot on the drain hub. With slight pressure applied to the Snap Ring, the remainder of the 3 tabs will snap into place, locking the alignment ring in place while allowing it to move laterally.

Next, thread the Height Adjustment Collar into the Alignment Ring. Be sure to engage a minimum of one complete turn. The drain cover is then set on top of the Height Adjustment Collar.

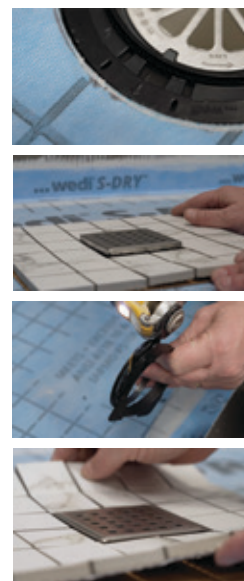
To determine the finish height of the drain cover you may need to cut the height adjustment collar. Use a piece of cardboard or similar under your shower floor tile to mimic the thickness of your compressed thinset bed.

Place this next to the cover and measure from the top of your tile to the top of the drain cover.

Remove the cover and the Height Adjustment Collar. Measuring from the bottom (threaded end) of the Height Adjustment Collar, cut off the amount equal to the measurement from step 28 using a fine tooth hand saw or multitool.

Sand any remaining tabs flat on the Height Adjustment Collar. Re-thread into the Alignment Ring to achieve the desired height to flush out with finished tile height.

Be sure this is done prior to finished installation of tile as you will not be able to turn the drain cover once tile is installed in the area around the drain cover.



Tile Installation and Flood Testing

Tile can be installed over the wedi® S-DRY™ shower installation (sealed at seams with wedi® S-DRY™ SEAL) 6-8 hours after membrane installation if used with wedi® PRO-SET™. Contact wedi® before installing resin-backed or highly absorbent tile or moisture sensitive stone.

If flood testing is required in a wedi® S-DRY™ Shower System installed with wedi® PRO-SET™, please allow 6 hours to pass after completing the wedi® S-DRY™ installation before beginning the flood test. Once the flood test is completed, drain all water and tiling may commence.

Application Data

All dry times for wedi® PRO-SET™ and wedi® S-DRY™ SEAL are calculated at 70°F (21°C). Drying time is a function of job site temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying.

Application Data for ...wedi® S-DRY™ SEAL

Mixing Ratio:	Mix ratio 1:1 by volume. Use 16 oz. of powder component with 16 fl. oz of liquid component (equals half of the bottle, see indicator arrow).
Coverage:	Approx. 45 ln. ft. of sealing tape / 112 ln. ft. of 2" overlap seams in wedi® S-DRY™ assembly (or approx. a 36 x 60" shower with 3 walls + curb) 32 liquid oz. wedi® S-DRY™ SEAL (mix 2 batches of each 16 oz. Powder, a mixing ratio of 1:1 by volume) A 16 oz unit of wedi® S-DRY™ SEAL will allow you to safely install 22 1/2 linear feet of wedi® S-DRY™ Tape or 56 linear feet of overlap seams in a wedi® S-DRY™ assembly. Approximately 2 units of S-DRY™ SEAL 16 will be needed in a full 3x5 ft S-DRY™ Shower installation including 3 walls + curb.
Pot life:	30-45 minutes, may need to refresh by mixing.
Drying time:	Approx. 30 minutes for tack free drying and 6 hours until exposure to water (e.g. through a flood test).
Flood test:	Begin 6 hours after the installation of S-DRY™ SEAL with S-DRY™ Tape in any S-DRY™ Shower installation.
Storage:	Store in a dry area. Do not leave units exposed to sun. Store at temperature between 40 and 90°F (5 - 32°C). Do not freeze.

Application Data for wedi® PRO-SET™

Water ratio:	3 3/4 - 4 3/8 quarts (3.55L - 4.15L) of clean water per bag; or 2 1/4 parts powder: 1 part clean water by volume
Pot life:	3 hours
Open time:	Up to 30 minutes
Adjustment time:	15-20 minutes
Coverage:	1/8 x 1/8" (3 mm x 3 mm) square notch trowel = 100 - 103 sq. ft. (9.29 - 9.57 m²) per bag 1/4 x 3/16" (6 mm x 4.76 mm) V-Notch trowel = 50 - 55 sq. ft. (4.65 - 5.11 m²) per bag 1/4 x 1/4" (6 mm x 6 mm) square notch trowel = 53 - 56 sq. ft. (4.92 - 5.20 m²) per bag 1/4 x 3/8" (6 mm x 9 mm) square notch trowel = 34 - 37 sq. ft. (3.16 - 3.44 m²) per bag 1/2 x 1/2" (12 mm x 12 mm) square notch trowel = 25 - 28 sq. ft. (2.3 - 2.6 m²) per bag Coverage is dependent on surface profile, density and porosity.
Color:	White
Packaging:	25 lb (11.34 kg) bag
Installation:	To install a 36x60 S-DRY Shower System (incl. 3 walls and 1 curb) plan for approximately 2 bags of wedi® PRO-SET™.
Storage:	Store in a cool, dry area. Do not leave units exposed to sun. Protect unused material by removing air from container and sealing tightly.
Shelf life:	12 months, if unopened and properly stored
Warranty:	wedi® S-DRY™10-Year Limited, 15-Year Limited or Lifetime Limited Warranties available. For full warranty details, visit: wediacorp.com/wedi-warranty/

Standards & Performance Tests for ...wedi S-DRY® Shower System

Property	Test Method	ANSI Specification	Test Result
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Steam Strength	ASTM D751 Procedure B	> 8 lbs. / inch width	Pass
Breaking Strength	ASTM D751 Procedure B	> 170 psi (12 kg/cm2)	Pass; Traverse Direction: 993 psi, Longitudinal Direction: 1680 psi
Dimensional Stability - 48h @ -15±2°F	ASTM D1204	+/- 0.7%	Pass; Traverse Direction: -0.05, Longitudinal Direction: -0.09
Dimensional Stability - 48h @ -158±2°F	ASTM D1204	+/- 0.7%	Pass; Traverse Direction: -0.29, Longitudinal Direction: -0.36
Waterproofness - 55h cm head of water for 48h	ASTM D4068	No water penetration	Pass
Shear Bond Strength to Cement Mortar			
Shear Strength (7 days) , Pass (72 psi) Shear Strength (4 weeks), Pass (77 psi) Shear Strength (12 weeks), Pass (99 psi) Shear Strength (7 day water immersion), Pass (65 psi) Shear Strength (100 day water immersion), Pass (74 psi)	A118.10 Section 5.4	> 50 psi (5 kg/cm²)	Pass
Four Week Shear Strength	A118.10 Section 5.5	> 50 psi (5 kg/cm²)	Pass
Compliance			
Shower System meets and exceeds IAPMO PS 106 (Shower Tiling Kits)			
Quality Assurance and Building Code Compliance Certification: ICC PMG 1189 			

Product Order Information

Shower Kits

...wedi® S-DRY™ Shower Kit ■ Waterproofing system for custom tiled showers with a curb unit 1 pc or curbless entry.

Product Image	Product Name	Description	Dimensions (WxLxT)	Item #
	wedi® S-DRY™ Shower Kit 38"x64"	Fully equipped building kit to construct a shower with a centered point drain.	38 in. x 64 in. x 1 1/8 in.	US2076001
	wedi® S-DRY™ Shower Kit 38"x64" OD	Fully equipped building kit to construct a shower with an off-center point drain.	38 in. x 64 in. x 1 3/8 in.	US2076002

i Kits include all items needed to build a waterproof wedi® S-DRY™ Shower System with a curb. Shower Base includes factory integrated and waterproofed drain based on Fundo® Click and Seal® technology. Base can be cut to size, is unfolded and thinset mortar adhered to subfloors. Purchase wedi® S-DRY™ SEAL, a perishable product sold fresh and separately, and select your wedi® S-DRY™ Drain Cover separately. Shower bases **Made in the U.S.A.**

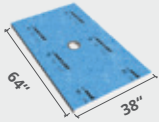
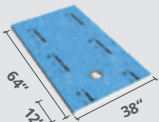
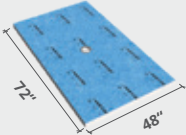
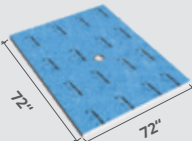
Each kit includes:

- 1 wedi® S-DRY™ Shower Base
- 1 wedi® S-DRY™ Shower Curb in two halves
- 1 wedi® S-DRY™ SEAL Trowel
- 2 sets of wedi® S-DRY™ Inside Corner 90
- 1 set of wedi® S-DRY™ Outside Corner 90
- 1 wedi® S-DRY™ Mixing Valve Seal
- 1 wedi® S-DRY™ Shower Pipe Collar
- 1 wedi® S-DRY™ Tape
- 1 roll of wedi® S-DRY™ Waterproof Membrane

All wedi® S-DRY™ Shower bases include a wedi® drain connection for 2" pipe and height adjustment kit for drain cover- sold separately. S-DRY™ Seal for seams/banding sold separately.

Shower Bases

...wedi® S-DRY™ Shower Base ■ Waterproofing system for custom tiled showers with a curb unit 1 pc or curbless entry.

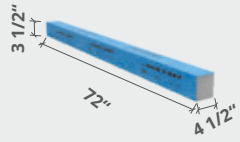
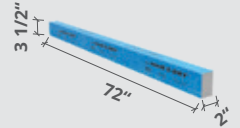
Product Image	Product Name	Drain Location	Dimensions (WxLxT)	Unit	Item #
	wedi® S-DRY™ Shower Base 38"x64"	Center Drain	38 in. x 64 in. x 1 1/8 in.	1 pc	US9176001
	wedi® S-DRY™ Shower Base 38"x64" OD	Off-Center Drain	38 in. x 64 in. x 1 3/8 in.	1 pc	US9176002
	wedi® S-DRY™ Shower Base 48"x72"	Center Drain	48 in. x 72 in. x 1 1/8 in.	1 pc	US9176003
	wedi® S-DRY™ Shower Base 72"x72"	Center Drain	72 in. x 72 in. x 1 1/8 in.	1 pc	US9176004

i With factory integrated and waterproofed drain based on Fundo® Click and Seal® technology. Base can be cut to size, is unfolded and thinset mortar adhered to subfloors. Select your wedi® S-DRY™ Drain Cover separately. Shower bases **Made in the U.S.A.**

Product Order Information

Shower Curbs

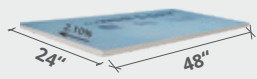
...wedi® S-DRY™ Curbs

Product Image	Product Name	Description	Dimensions (WxLxH)	Unit	Item #
	wedi® S-DRY™ Shower Curb 72	Made from a solid EPS foam core waterproofed with wedi® S-DRY™ Membrane for use in wedi® S-DRY™ Shower Systems.	4 1/2 x 3 1/2 x 72 in.	1 pc	US3076001
	wedi® S-DRY™ Shower Curb Lean 72	Made from a solid EPS foam core waterproofed with wedi® S-DRY™ Membrane for use in wedi® S-DRY™ Shower Systems.	2 x 3 1/2 x 72 in.	1 pc	US3076002

i Curbs can be installed to wedi® S-DRY™ Shower Bases with thinset mortar. Curbs are waterproofed within the wedi® S-DRY™ Shower System using wedi® S-DRY™ SEAL and wedi® S-DRY™ Inside or Outside Corners. **Made in the U.S.A.**

Extension Panels

...wedi® S-DRY™ Extension ■ Waterproof extension panel for wedi® S-DRY™ Shower Bases

Product Image	Product Name	Description	Dimensions	Item #
	wedi® S-DRY™ Extension 24x48	Sloped extensions for use with wedi® S-DRY™ Shower Base adding 24 inches of sloped surface along one 48 inch long side.	24 in. x 48 in. sloped surface begins at a height of 1 1/8 in. and ends at 1 5/8 in.	US3076003

i wedi® S-DRY™ Extension **Made in the U.S.A.**

Bonding Flange Drain (BFD)

...wedi® S-DRY™ Bonding Flange Drain ■ For use in mortar bed assemblies waterproofed with wedi® S-DRY™

Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ BFD	For use in a mortar bed shower base installation. Will bring the drain 3/4 in. above the floor. Installation height may be increased using mortar.	1 pc	US9476006

i Made for use with wedi® S-DRY™ Shower System products in a mortar bed shower installation. Select your wedi® S-DRY™ Drain Cover separately. **Made in the U.S.A.**

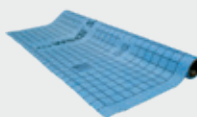
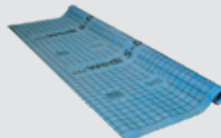
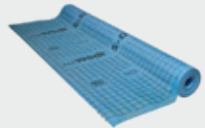
...wedi® S-DRY™ Clamping Ring Adapter

Product Image	Product Name	Description	Unit	Item #
Available 2027 	wedi® S-DRY™ Clamping Ring Adapter	For use with wedi® S-DRY™ BFD when connecting to a traditional clamping ring drain.	1 pc	US9476015

i **Made in the U.S.A.**

Product Order Information

...wedi® S-DRY™ Membranes

Product Image	Product Name	Description	Dimensions (WxL)	Unit	Item #
	wedi® S-DRY™	Sheet waterproofing membrane used to cover wall surfaces and other surfaces in a wedi® S-DRY™ Shower system or over mortar bed installations.	50 in. x 25 ft. (104 ft²)	1 roll	US5076009
	wedi® S-DRY™ XL	Sheet waterproofing membrane used to cover wall surfaces and other surfaces in a wedi® S-DRY™ Shower system or over mortar bed installations.	80 in. x 16 ft. (106 ft²)	1 roll	US5076008
	wedi® S-DRY™ MAX	Sheet waterproofing membrane used to cover wall surfaces and other surfaces in a wedi® S-DRY™ Shower system or over mortar bed installations.	50 in. x 100 ft. (417 ft²)	1 roll	US5076018

i Can be cut and fitted to any shower surface requiring waterproofing. Installed using wedi® PRO-SET™ to adhere to surface, and using wedi® S-DRY™ Tape to cover any seams or overlaps adhered and waterproofed using S-DRY® SEAL. **Made in the U.S.A.**

Installation Accessories

...wedi® S-DRY™ Corners

Product Image	Product Name	Description	Dimensions	Unit	Item #
	wedi® S-DRY™ Inside Corner 90	Apply to any inside corner within 36 in. of a wedi® S-DRY™ Shower Installation. Corner angle = 90°	5 in. long x 2 1/2 in. wide on either side of corner crease	2 pc/bag	US5076002
	wedi® S-DRY™ Inside Corner 135	Apply to any inside corner within 36 in. of a wedi® S-DRY™ Shower Installation. Corner angle = 135°	5 in. long x 2 1/2 in. wide on either side of corner crease	2 pc/bag	US5076001
	wedi® S-DRY™ Outside Corner 90	Apply to any outside corner within 36 in. of a wedi® S-DRY™ Shower Installation. Corner angle = 90°	5 in. long x 2 1/2 in. wide on either side of corner crease	2 pc/bag	US5076005
	wedi® S-DRY™ Outside Corner 135	Apply to any outside corner within 36 in. of a wedi® S-DRY™ Shower Installation. Contains a left and right side corner. Corner angle = 135° Includes 1 left and 1 right corner	5 in. long x 2 1/2 in. wide on either side of corner crease	2 pc/bag	US5076004

i Made from wedi® S-DRY™ Membrane. Used to waterproof corner seams near walls, floors, shower bases, curbs, or other add ons such as seat structures (use 135 Degree Corners left and right for corner seats). Installed using wedi® S-DRY™ SEAL. **Made in the U.S.A.**

...wedi® S-DRY™ Pipe Collars

Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ Mixing Valve Collar	Mixing valve collar for sealing around a mixing valve in a wedi® S-DRY™ Shower System. Includes a 4 1/2 in. flexible, rubberized opening to fit around the mixing valve.	1 pc	US5076003
	wedi® S-DRY™ Shower Pipe Collar	Pipe collar for sealing around 1/2 in. to 3/4 in. shower pipe protrusions a wedi® S-DRY™ Shower System. Includes a 3/8 in. flexible, rubberized opening to fit around the shower pipe.	1 pc	US5076006

i Made from wedi® S-DRY™ Membrane. **Made in the U.S.A.**

Product Order Information

...wedi® S-DRY™ Tape

Product Image	Product Name	Description	Dimensions (WxL)	Unit	Item #
	wedi® S-DRY™ Tape	To create a waterproof seal over wall surface transitions and other surface transitions.	5 in. x 32 ft.	1 roll	US5076007

i Made from wedi® S-DRY™ Membrane. Used to waterproof transitions between wall surfaces, walls and showers bases, walls and prefabricated modules, etc. using a 2 in. overlap. Installed using wedi® S-DRY™ SEAL to adhere, covering any seams or overlaps. **Made in the U.S.A.**

wedi PRO-SET™

Product Image	Product Name	Description	Unit	Item #
	wedi PRO-SET™ Tile Adhesive	Modified tile adhesive optimized for adhesion with wedi® brand product surfaces in interior, wet area applications. Color: White	25 lb/bag	US5076012

i Developed for use with wedi® S-DRY™ and wedi Fundo® Shower systems and setting tile or stone. 100 bags per pallet. **Made in the U.S.A.**

...wedi® S-DRY™ SEAL

Product Image	Product Name	Description	Product Contents	Unit	Item #
	wedi® S-DRY™ SEAL	Two (2) component waterproofing mortar to adhere and seal seams and overlaps in S-DRY™ applications, and to install ad seal S-DRY™ Tape, S-DRY™ Corners and Collars. wedi® S-DRY™ SEAL Trowel included.	32oz - liquid 2 - 16oz - powder	1 bottle & 2 bags	US5076011
	wedi® S-DRY™ SEAL 16	Two (2) component waterproofing mortar to adhere and seal seams and overlaps in S-DRY™ applications, and to install ad seal S-DRY™ Tape, S-DRY™ Corners and Collars. wedi® S-DRY™ SEAL Trowel included.	16oz - liquid 16oz - powder	1 bottle & 1 bag	US5076015

i To install wedi® S-DRY™ tape and corners or membrane overlaps in a waterproof way. Follow mixing directions on packaging to create wedi® S-DRY™ compound.

i While used to actively waterproof seams, this product is also an adhesive and provides a very durable yet flexible application protecting seams against stresses and cracks from seasonal movement in structures.

i Mix Product in bucket provided. **i** Made in **U.S.A.**

...wedi® S-DRY™ SEAL Trowel

Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ SEAL Trowel	Used to apply wedi® S-DRY™ SEAL to waterproof and adhere S-DRY™ Sheet membrane overlaps, transitions, tape and corners, as well as PVC bonding flange drain connections.	1 piece	US5076010

i Developed for use with wedi® S-DRY™ Shower Systems. **Made in the U.S.A.**

Product Order Information

Drain Parts & Replacements

...wedi® S-DRY™ Fundo® Drain Cover Support

Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ Fundo® Drain Cover Support	When using a Premium Drain cover from the wedi Fundo® product range. Use with wedi® S-DRY™ Shower Bases or wedi® S-DRY™ BFD.	1 pc	US9476016

i wedi® S-DRY™ Height Adjustment Kits are included with wedi® S-DRY™ Drains. This item can be selected when a wedi Fundo® Drain Cover is used with a wedi® S-DRY™ Shower Base or wedi® S-DRY™ BFD. **Made in the U.S.A.**

...wedi® S-DRY™ Drain Replacement Kit

Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ Drain Parts Replacement Kit	For use with wedi® S-DRY™ Drains in wedi® S-DRY™ Shower Bases.	1 pc	US9476012

i wedi® S-DRY™ Drains are included with wedi® S-DRY™ Shower Bases and wedi® S-DRY™ Kits. This item can be selected when replacement pieces may be necessary. **Made in the U.S.A.**

...wedi® S-DRY™ Height Adjustment Kit

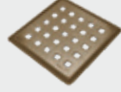
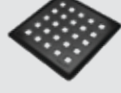
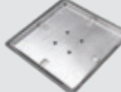
Product Image	Product Name	Description	Unit	Item #
	wedi® S-DRY™ Height Adjustment Kit	For use with wedi® S-DRY™ Drain Covers in wedi® S-DRY™ Shower Bases. Kit to adjust height of drain covers by up to 5/8 in., allows it to rotate, and allows it to move laterally by 3/16 in. in all directions to adjust to the tile and grout layout.	1 pc	US9476011

i wedi® S-DRY™ Height Adjustment Kits are included with wedi® S-DRY™ Drains. This item can be selected when replacement pieces may be necessary. Select your wedi® S-DRY™ Drain Cover separately. **Made in the U.S.A.**

Product Order Information

Drain Covers

...wedi® S-DRY™ Drain Covers

Product Image	Product Name	Length x Width x Height	Dimensions (LxWxT)	Unit	Item #
	wedi® S-DRY™ DCSS	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076002
	wedi® S-DRY™ DCC	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed chrome finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076006
	wedi® S-DRY™ DCORB	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed oil rubbed bronze finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076001
	wedi® S-DRY™ DCMB	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed matte black finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076003
	wedi® S-DRY™ DCG	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed gold finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076005
	wedi® S-DRY™ DCB	Consists of drain cover frame and grate. Made from stainless steel with a lightly brushed/buffed brass finish.	3 3/4 x 3 3/4 x 3/16 in.	1 pc	US1076007
Available 2027					
	wedi® S-DRY™ DCSS Commercial	Consists of drain cover frame and grate with screws to hold securely in place. Made from stainless steel with a lightly brushed/buffed finish.	3 3/4 x 3 3/4 x 1/4 in.	1 pc	US1076008
Available 2027					
	wedi® S-DRY™ DCT	Consists of drain cover frame and tile-in grate. Made from stainless steel with a lightly brushed/buffed finish. Can be used with 1/4 in. thick tile.	3 3/4 x 3 3/4 x 1/4 in.	1 pc	US1076004

i Made from U.S.A. grade stainless steel 304. Grate remains removable for easy access to drain pipes and cleaning. S-DRY shower bases may be used with wedi Fundo® tileable covers or wedi Fundo® premium Drain Covers when using the wedi® S-DRY™ Fundo® Drain Cover Support Kit. **Made in the U.S.A.**

i We will soon launch a dedicated wedi® S-DRY™ tileable cover system. Until then, please also consider using wedi's premium version Fundo® Drain Cover T14 and T38.



wedi® S-DRY™ is proudly manufactured in the U.S.A. and building on our 40 years of experience as the innovation and quality leader in the industry and with wedi® factories in the U.S.A. and Germany.

We are happy to give you the wedi® S-DRY™ option to build great showers whenever there are pre-existing walls and when product cost, fast installation and great warranty options are important to you.

...wedi® S-DRY™

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