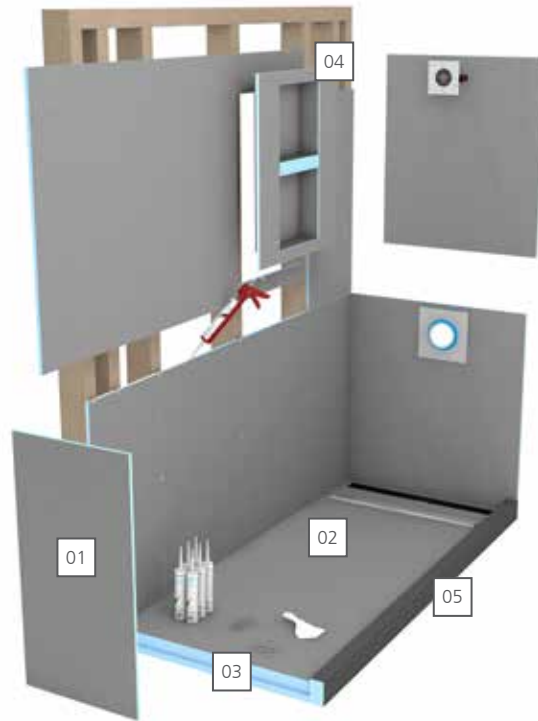


# wedi Shower Kit – Riolito®

## Full Shower System in a Box



All products needed to build a wedi line drain shower are included and provide a single manufacturer warranty. Safe transportation in one box, easy estimating of product quantities needed. The unique wedi Fundo Riolito neo bases allow water to drain away through a narrow gap between their drains cover plate and the tile surface finish. wedi Fundo Riolito neo is always equipped with the drain unit but covers are ordered separately. Options for covers include a polished stainless steel version, a double plated brushed stainless steel version, and a tileable version.

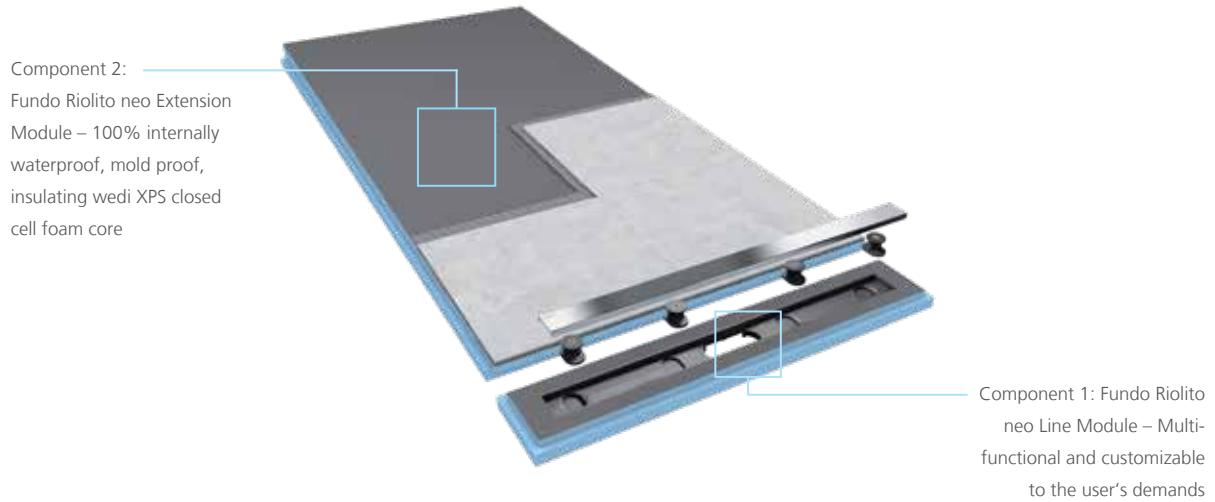
Available in 4-way and 2-way or single slope designs with close to the wall drains, wedi Riolito neo features the industries only factory sealed drain for use in custom shower configurations. What is more, the Fundo Riolito neo is available in one-piece shower base panels or as a modular system offering a separate drain module and an extension module to combine and configure custom layouts even easier.

- 01 wedi Building Panel
- 02 wedi Fundo Riolito Shower Base
- 03 Screws, Washers and Putty Knife
- 04 Shower Niche (Optional)
- 05 wedi Full Foam Curb Lean

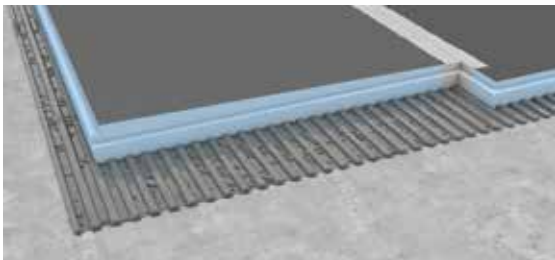
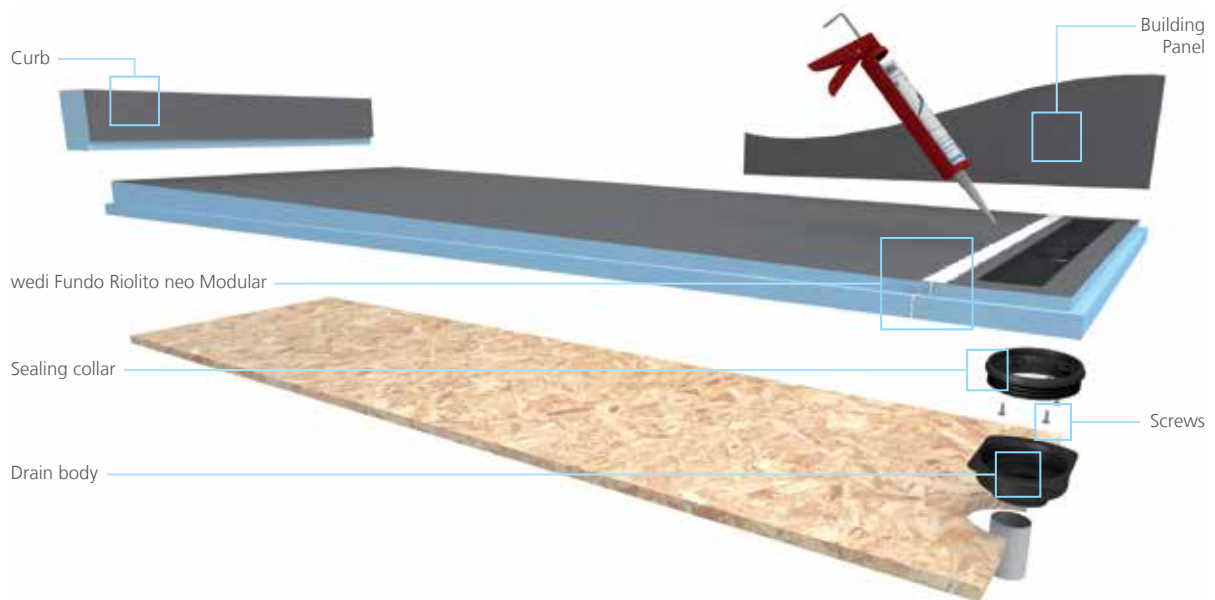
#### \*Found in each kit:

- Fundo Riolito neo Line Module (1)
- Fundo Riolito neo Extension Module (1)
- wedi 36 in. x 60 in. x 1/2 in. Building Panels (6)
- wedi Full Foam Curb, Lean (1)
- wedi Riolito Drain Kit (1)
- wedi Fundo Riolito Standard Cover Plate (1)
- wedi Joint Sealant (8 10.5 oz tubes)
- wedi Fastener Kit (1 screws/washers 100ct)
- wedi Corner Putty Knife (1)
- wedi Mixing Valve Flexi Collar (1)
- wedi Flexi Collar (1)

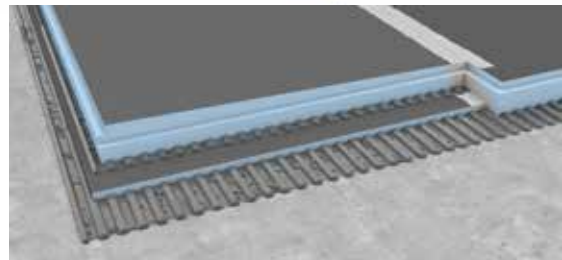
## wedi Fundo Riolito neo Modular Linear Drain Shower Floor Solutions



### Drain to Base Assembly



The shower base may be extended using a pre-sloped wedi extension panel.



wedi shower bases thicker than 1 1/2 in. where an extension is connected require a wedi building panel be placed under the extension panel to adjust for a proper connection fit.

## wedi Fundo Riolito® neo Modular Installation

### Before Installation:

- Have extra 2 × 4 blocking installed over bottom plate between studs along to support wedi Building Panel to shower base transition area.
- Subfloor is stable, even and load bearing, and meets deflection criteria of maximum L/360 and requirements as per IRC. Wooden or concrete structural substrates are dry and sufficiently load bearing considering live and dead load. Wood and Steel framing is sufficiently load bearing, plum and square.
- Floor drain assembly below floor is stabilized, fixed and supported in position, and will not sink under water load.
- Only wedi products (Building Panels, Curb, Joint Sealant and Fasteners) are used for wedi Fundo Shower System assembly.
- Installer has received instructions from wedi Technical Sales Staff or is informed about proper installation methods as described.
- Follow applicable state or local plumbing codes requiring specific and dimensioned waterproofed areas for a shower system or other wet room installation. Requirements in this manual supersede local plumbing codes; they extend and are not in conflict. wedi Shower Systems or other wet room installations in which non-wedi product is also used require specific project recommendations by wedi and may reduce the extent and installation area of protection offered by wedi's warranty.
- Ensure that no fasteners are used and penetrate through any horizontal building panel or shower base surfaces in shower or immediate wet rooms. This includes tub decks, pony shower wall tops, curb tops made from building panels, seat tops. wedi panels in such areas are installed in a full surface applied thinset mortar setting bed.



- wedi Shower Bases can be cut to size using a skilsaw. The Z notch channel must be remade and cleaned from sawdust or other possible contamination.
- Seams in the assembly, which are not flat transitions or right angle inside corner connections, are treated with these extra steps:
  - Assembly parts are installed tight and offer a minimum of ½ in. wide continuous contact/ adhesion surface between two parts, inside which wedi joint sealant is continuously applied.
  - wedi joint sealant is applied over these seams topically, and 1 in. wide on both sides of the seam.
  - wedi mesh tape is installed over these seams and covered with joint sealant 1 in. wide on both sides of the seam.



Cut the 2" (50.8 mm) pipe 1 1/4" (31.8 mm) below the top of the Subfloor. Use the oval shape cutting template where you want to position the drain to cut out subfloor using a jigsaw to allow wedi drain trap to be inserted and connected to floor pipe using appropriate ABS compatible or multipurpose cement glue. Please also check cement glue compatibility to floor pipe material. The drain and trap have to be secured to the subfloor. Drain recess cut out must not add deflection to subfloor.

Assemble the drain unit following the instruction drawing. wedi's Fundo Riolito neo bases can be cut to size on all sides making drain positions close to the wall possible. Do not cut into the linear drains plastic flange integrated into the coated foam part of the base. Once cut the 1/2" × 1/2" (12.7 × 12.7 mm) channels at the new base perimeter must be reestablished. When cutting close to the drain channel always leave enough wedi foam for re-making the needed 1/2" × 1/2" (12.7 × 12.7 mm) channel. Never bend or pressure the modular drain unit when handling or installing the gasket. Always work on it with the unit laying on a flat and supporting surface. Glue and seal the wedi drain trap to the 2" (50.8 mm) pipe using appropriate solvent cement glue for the plastics involved. Do not screw drain body/trap to floor. Secure with some dabs of wedi Joint Sealant under flange instead. Mount the oval sealing collar/ gasket to the base's receiving ABS plastic channel on its underside with no gaps showing in between both parts. Use only the wedi screws provided and manually tighten with a Phillips screwdriver. Instead of gluing the drain trap to the floor pipe first, you may also connect it to the wedi Base's sealing gasket first to ensure a visibly tight connection. The trap will then be glued to the floor pipe later when the base is installed to the floor.

Apply a skim coat and finally a combed through bed of a thinset using modified thinset ANSI 118.4 and 1/4" × 1/4" (6.4 × 6.4 mm) notch trowel. There are different ways to ensure good bond of the wedi Base to the subfloor. Required is a setting bed thickness of min. 3/16" (4.8 mm) and max. of 5/16" (7.9 mm) (compressed). Applying thinset on both, wedi Base and subfloor, is a best practice recommended to achieve full surface coverage adhesion. wedi recommends to cut and dry fit both floor modules to shower stall size and drain location. Another best practice is to use fast setting mortar to achieve faster bond and adhesion.

**i** For the installation to properly work it is critical to waterproof all penetrations of the wedi product such as shower valves and shower heads using the appropriate sealing gaskets for the application. The wedi Mixing Valve Flexi Collar and wedi Flexi Collar (for 1/2" – 3/4" [12.7–19 mm] shower pipe protrusions) are used for these applications and are part of the wedi System complete warranty.



05

Trowel the thinset on the rear side of the Fundo Riolito neo Module "Drain" again using a 1/4" x 1/4" (6.4 x 6.4 mm) notch trowel. Press the Fundo Riolito neo Module "Line Drain" into the thinset so that the sealing gasket moves smoothly into the drain body without contamination through thinset. Do not bend or apply uneven pressure when pressing the part into thinset bed and drain trap. This is a tight fit so you should use some water or safe plumbers grease to help. When using plumbers grease, the gasket may retract upward so you need some temporary weight here to keep it fully inserted (thinset bag or tile box). Carefully apply weight equally and leave on surface and drain area to allow the thinset to initially cure



06

without being disturbed (e.g. thinset bags). Ensure there is 100% thinset supporting the drain channel area over a completely flat subfloor. This may break the units seals. Make sure the entire wedi cement coated underside of the drain module will have thinset support/coverage. Do not step on the drain module to push/connect to drain body or thinset. Apply a 1/2" (12.7 mm) bead of wedi Joint Sealant to the module's Z notch channel and insert the second module, the "Extension". The module "Extension", once cut to length, is also installed using thinset mortar and using the same technique as shown under 4. Apply a 1/2" (12.7 mm) bead of wedi Joint Sealant over the seam between both modules and spread flat using a putty knife.



07 08

Set up a continuous 1/2" (12.7 mm) bead of wedi Joint Sealant at the perimeter channel and only in areas where you can immediately install a wedi Building Panel into the fresh sealant. Push the wedi Building Panel all the way into the channel of the shower base channel and its bead of sealant. Smooth out any pushed out sealant on inside seam using a putty knife. Fasten the panels directly to the studs starting 1 ft. (304.8 mm) above the base and at a rate of 1 fastener per 1 ft. (304.8 mm). 1 extra fastener is set into the seam to the next panel to create a flush transition. wedi requires wedi Building Panels to be installed in all areas exposed to water and in any case no lower than 6" (152.4 mm) above all water inlet fixtures.



09

Apply continuous 1/2" (12.7 mm) bead of sealant between all connections of panels and install with tightly butted seams. Excess sealant must be spread flat with a putty knife. All seams and fastener heads in the assembly are covered with a secondary 1/2" (12.7 mm) bead of sealant and spread flat. The seams should be covered 1" (25.4 mm) on either side of seam. All fastener/washers are covered with sealant stretching 1" (25.4 mm) over the washer edges.



10

wedi Niches are installed in a cut out in the wedi wall and attached with its flange right into the center of 16 o.c. (406.4 mm) studs. wedi Joint Sealant is set along the connection of wall to niche.



11

2 Fasteners on each side of the niche are set to create a flush transition to the wall panels. Another 1/2" (12.7 mm) bead of wedi sealant is spread over fasteners and seams.



12

A continuous 1/2" (12.7 mm) bead of sealant is set into the channel and along the vertical curb notch part. A circle of 1/2" (12.7 mm) sealant bead is set against the wall panels and/or the curb sides where the curb attaches. A 1/2" x 1/2" (12.7 x 12.7 mm) bed of thinset mortar is applied to the subfloor. The tightly cut to fit curb is pressed into the connection. Apply weight for at least 30 minutes on and against the curb (from the outside) and another 1/2" (12.7 mm) bead of sealant is applied over all curb seams and spread flat. The seams must be covered 1" (25.4 mm) either side of a seam.

**!** Curb connection notches must be cut to tightly fit select Fundo Riolito neo bases.

## After Installation

All visible joints or seams in the installation are fully covered and reinforced with wedi Joint Sealant applied flat over the seams. Coverage of wedi Joint Sealant over all seams should be at least 1" (25.4 mm) on either side of the seam. The wedi Joint Sealant should be no less than 1/16" (1.6 mm) thick for strength. Do not add mesh tape into the wedi Joint Sealant. This may only put the waterproofing performance at risk and will not strengthen the sealant's or system's resistance against movement related stresses. Once wedi Joint Sealant application over all shower system seams has been completed, an optional water flood test may be performed as early as 2 hours later. The test should not exceed 24 hours and nor should the water level exceed the height of the perimeter seams so that the fresh sealant may continue to a full cure without too much weight added during that process. wedi recommends to test at least the drain connection for its proper seal while a full surface flood test is not technically required for non-absorbing products like wedi but may be required by a building inspection department. When tiling commences, no premixed and organic ("mastic") tile adhesives must be used over wedi Systems in any wet area installation. When tiling the wedi Shower Bases incl. extensions or ramps, tile thickness should generally not be less than 1/8" (3.2 mm). Choose setting materials appropriate for the type of stone, ceramic or glass tile as well as for a wet area installation. Tile with a square size of 2 x 2" (50.8 x 50.8 mm) or more may be installed using a polymer modified cement based tile adhesive and grout. Tile with a square size of less than 2 x 2" (50.8 x 50.8 mm) may be installed using a polymer modified cement based tile adhesive and require 100% solids epoxy grout. Tile with a square size of 1 x 1" (25.4 x 25.4 mm) or less must be installed using a 100% solids epoxy tile adhesive and grout. Only non-flat bottom pebble stone installations including in part small mosaics may be installed using polymer modified cement based tile adhesive and grout, all flat bottom pebble stone installation are subject to the general tile size based setting materials recommendation outlined above. When installing non-square tile, the length of the shortest tile edge(s) is considered as its square size for the purpose of determining the choice of the setting materials as outlined above. All tile installations designed to receive heavier point loads such as from wheelchair use, must be grouted using 100% solids epoxy grout. Large format tile may be installed over wedi Fundo shower bases. Cuts may have to be made in consideration of the base's slope lines and so that such tile can always be fully supported by the tile adhesive setting bed and the surface of the wedi Base. Tile adhesive coverage under the tile must be 95% and special care must be taken to achieve good transfer of adhesive to wedi's shower base when working with mesh backed tile. Use only solvent and acid free cleaners and sealers on tile and grout installed over wedi product and apply such products only in amounts as needed to treat the surface materials without drenching the substrate. Follow setting materials manufacturers recommendations and contact wedi with any questions or regarding applications not covered here.

---

## Installation instructions wedi Fundo Riolito neo/Riolito neo Modular Drain Cover

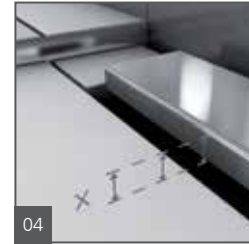
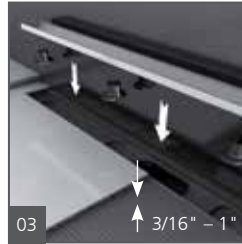
01 Drain Cover Fundo Riolito neo standard: High Grade Polished Stainless Steel Standard Version

02 Drain Cover Fundo Riolito neo exclusive: High Grade Double Plated Stainless Steel Version

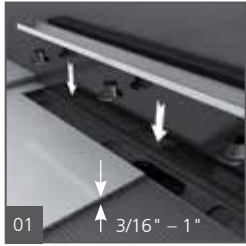
03 Drain Cover Fundo Riolito neo tileable: Can be tiled with epoxy glue/adhesive or wedi Joint Sealant. Can be used for 1/4" (6.4 mm) and 1/2" (12.7 mm) tile/stone (reverse cover). Drain cover can be adjusted from +3/16" to +1" from Riolito neo base surface (depth for tiling 11 mm). The cover supports may be extended out to needed height using the allen key included in box. The supports may also be cut shorter along prefabricated cutting lines before assembly with allen key.



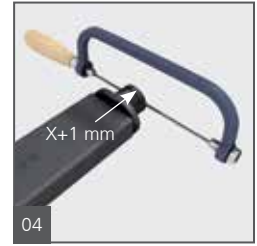
# Linear channel cover standard and exclusive



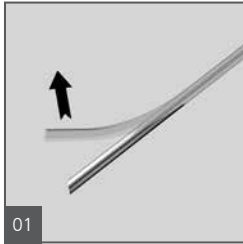
# Linear channel cover tileable



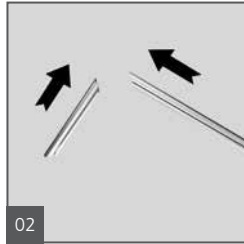
x = compressed thinset plus  
tile thickness + 1 mm.



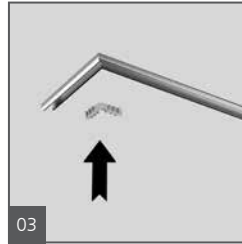
## wedi Fundo Riolito neo Channel Frame



01 Remove the protective film.

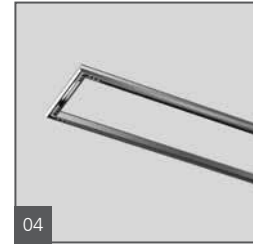


02



03

03 Connect the corners if not already assembled.



04



05



06

06 Use the foam block (provided) as a spacer for thinset mortar.



07



08

08 Apply thinset mortar to support the profile at desired height.



09

09 Install profile which is now resting on the thinset mortar.



10

10 Fill in grout.



11



12

12 Remove the foam block spacer.



13

13 Clean off any excess grout.



14

14 Insert the your wedi drain cover.

**i** Benefits of the wedi Fundo Riolito neo Channel frame include:

- Protects your tile and grout edges
- Adds a design finish to the tile edge
- Will not stop drainage
- Made of stainless steel.

