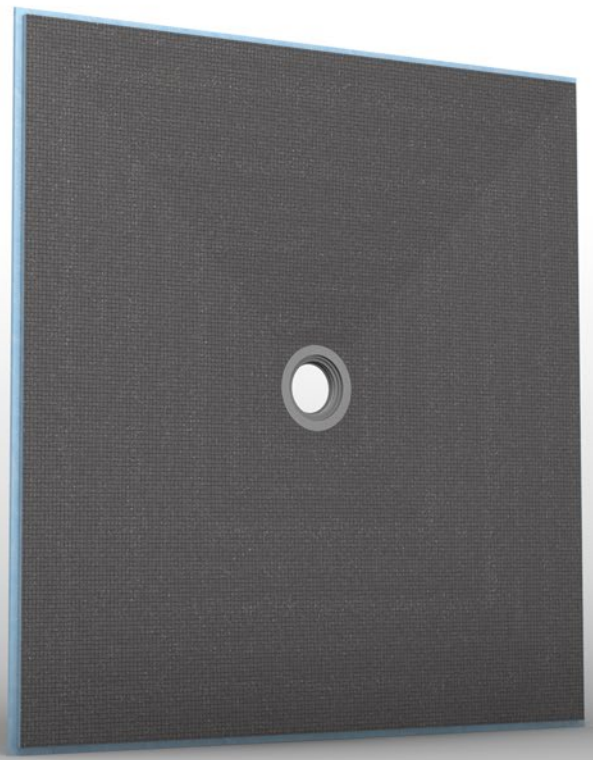
wedi Fundo Ligno



Overview & General Product Description of the wedi Fundo Shower Systems

All wedi Waterproof Shower Systems including point and linear drain models offer reliable, cost-efficient solutions for constructing 100 % waterproof and mold proof showers. The product systems are entirely waterproof due to it's XPS extruded polystyrene foam core. These systems are easy and clean to install due to it's high prefabrication level. They open up a whole new world of design possibilities for showers, wet areas and baths when customized to fit your jobsite requirements.

wedi Shower Systems blend the traditional values of design flexibility and robustness as previously only enjoyed with screed installations, while offering added values that come with state-of-the-art material and manufacturing technologies. These added values come in form of many performance advantages. Especially over traditional screed installations or over other currently known methods for building showers such as those using sheet – or liquid waterproofing membranes in an attempt to manage water exposure. The most unique advantage is the complete and natural core waterproofness of the wedi product and it's entire assembly. Every detail of the assembly is part of the wedi waterproofing approach: even down to the factory integrated drain parts. The concept of the wedi Fundo Shower System's water management describes a true "water out" performance. Neither products nor the assembly of the wedi Fundo shower system is subjected to the risks so commonly found in other methods of shower installation. When installing wedi Fundo Shower Systems in combination with wedi building panels, the proprietary wedi 610 adhesive sealant and any of our curbs, niches or seats accessories, you can eliminate the following worries altogether:

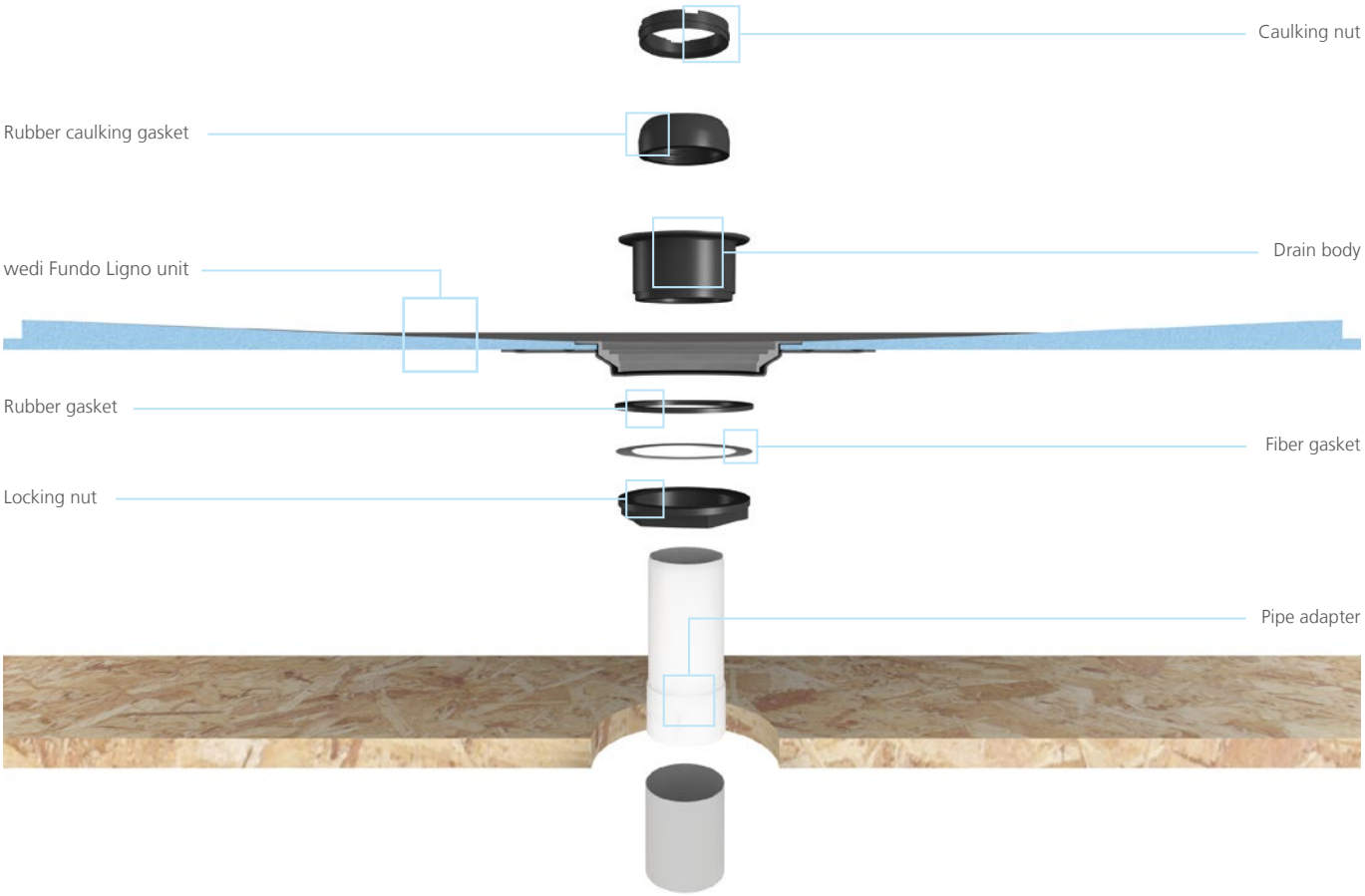
- No overlapping sheet waterproofing seams with just thinset in between
- No risk of forming pinholes as with installation of very thin liquid membranes
- No weepholes and clogging as with liner installations
- No liner cracks due to aging or exposure to elements
- No risky liner seams in larger size showers nor any risky corner liner tapes
- No mold or discoloration worries as with absorbing and permanently wet screed beds

These added values and its detail perfections eliminate the technical concerns in shower installations. But this is not where wedi shower systems stop offering it's added values: The wedi Fundo shower system adds to your productivity and enables you to provide real value to your customers: Our wedi Fundo Shower systems reduce the installation time for just the shower floor from a 2 – 3 day process (includes drying times) to only 30 minutes when compared to traditional methods built with screed and liquid applied membranes. wedi helps you to turn showers into service quicker, cleaner, safer. The exact and consistently shaped slope fields support perfection in tile setting and design. The cement based resin surface coatings on our products provide a great bond surface for any tile, stone and many other materials. Using any cement based thinset adhesives in installation. The insulation properties of the extruded foam core of our wedi systems keep the tile warmer on the floor and add to better insulation of the wall. And all this under one warranty for the entire shower from floor to wall.

wedi Fundo Ligno is designed to provide for a low profile base thickness of only 19 mm. This allows for a fast and flush installation into a subfloor assembly without cutting into floor joists. The system is designed to work without a curb. Enjoy the ease of installation without creating a structural hazard because you maintain the structural subfloor panels installed between floor joists under the wedi Fundo Ligno. Because barrier free showers may be exposed to heavy point loads (e.g. wheel chair), you can confidently rely on the structural strength of the wedi base and subfloor as well as the wedi Fundo's traditional strong cement based surface for ideal tile bond using any suitable cement based tile adhesives or grouts. As always with wedi Fundo Shower Systems, wedi Fundo Ligno is designed to interlock and work with wedi Building panels, wedi 610 adhesive sealant, wedi Fasteners, wedi Seats and Benches, wedi Niches and many more accessories, that truly complete your shower installation and waterproofing system. The installation is fast, modular but customizable, and covered by wedi's full system warranty.

Drain to Base Assembly

wedi Fundo Ligno is designed to provide for a low profile base thickness of only 19 mm. This allows for a fast and flush installation into a subfloor assembly without cutting into floor joists. The system is designed to work without a hob. Enjoy the ease of installation without creating a structural hazard because you maintain the structural subfloor boards installed between floor joists under the wedi Fundo Ligno. Because barrier free showers may be exposed to heavy point loads (e.g. wheel chair), you can confidently rely on the structural strength of the wedi base and subfloor as well as the wedi Fundo's traditional strong cement based surface for ideal tile bond using any suitable cement based tile adhesives or grouts. As applied to all wedi Fundo Shower Systems, wedi Fundo Ligno is designed to interlock and work with wedi Building Boards, wedi 610 adhesive sealant, wedi Fasteners, wedi Seats and Benches, wedi Niches and many more accessories, that truly complete your shower installation and waterproofing system. The installation is fast, modular but customisable, and covered by wedi's full system warranty.



wedi Fundo Ligno Installation

Before Installation:

- Subfloor and wall framing construction meets applicable building code and is sufficiently loadbearing, even and free of contaminants.
- Cut the DN50 floor waste pipe using an inside pipe cutter minimum 56 mm below the current substrate.
- Make sure you use a PVC Primer and Glue for the Drain Adapter.
- Only wedi products (Building Boards, Hob, wedi 610 adhesive 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.
- wedi shower bases can be cut to size using a skilsaw. The Z notch channel must be remade and cleaned from sawdust or contaminants.
- Do not cut the wedi Fundo Ligno more than 150 mm on either side and make sure your Z notch channels are never lower than 6 mm deep with a minimum 6 mm thick horizontal channel part remaining.

Cut 20 mm plywood base out fitting the space of wedi Fundo Ligno. Safely install blocking along floor joists appr. 20 mm below top of floor joists. Adjust for thinset thickness under wedi Fundo Ligno base and/or the flooring underlayment installation adjacent to shower area to create a flush transition for waterproofing and tile between floor and shower area. Re-install 20 mm plywood over blocking to have the Plywood flush with the floor joists and fill with furring strips on top of floor joists in case the blocking/joist that carry the Plywood under wedi base is installed higher than 20 mm deep from top of floor joists. Make sure the entire perimeter of the wedi Fundo Ligno base is supported by floor joists or adequate blocking. Make sure the plywood base shows no seams where close to the cut out for the wedi Fundo Ligno drain. The DN50 pipe is cut square and even at minimum 56 mm below the recessed subfloor top surface. The pipe adapter is cut even at 16 mm below the recessed subfloor top surface.

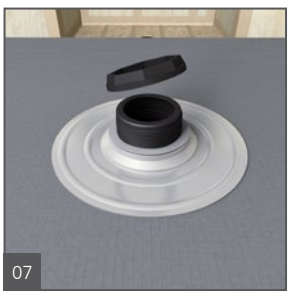
Connect the wedi adapter to the floor pipe using the appropriate PVC cement glue. Make sure that the Pipe Adapter is cut even and square 16 mm below the recessed subfloor top surface. Make sure the round cut out in the floor allows for the full recess of the wedi drain body attached to the Fundo board.

Assemble the drain unit following the instruction drawing.

Set up a continuous 5 mm bead of wedi 610 adhesive sealant along the channel in wedi Fundo's drain flange receptor.

Drop the drain body firmly into the sealant.

Turn the Fundo base upside down and apply the rubber and the fiber gasket.



Tighten the gaskets firmly to the bases' steel ring using the locking nut. Make sure the drain body is still safely received in the valve-bead of sealant.

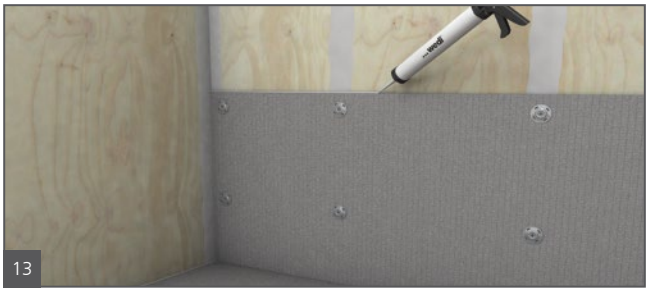
Trowel the tile adhesive and comb through with a 10 × 10 mm notch trowel. Channels pointing to the entrance.
Trowel the tile adhesive on the rear side of the Fundo again using a 10 × 10 mm notch trowel. There are different ways to ensure good bond of the wedi base to the subfloor. Applying tile adhesive on both, wedi base and subfloor, is a best practice recommended to achieve full surface coverage adhesion.

Press the Fundo firmly into the thinset bed, ensuring that the installation is level and void free.
Apply some weight equally and leave on surface and drain area to allow the thinset to initially cure without being disturbed (e.g. thinset bags). Do NOT step on the drain module to push/connect to drain body or thinset. Ensure there is 100 % thinset supporting the drain channel area over a completely flat subfloor.

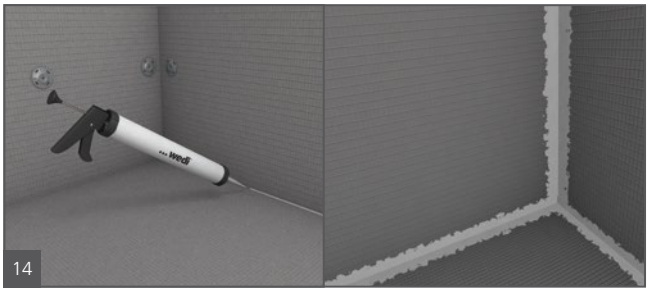
Set up the rubber caulking gasket (with the bevelled side up) around the DN50 Pipe Adapter. The rubber gasket must be flush with the upper end of the DN50 Adapter pipe.
Do Not use any Lubricants.

Tighten (squeeze) the rubber caulking gasket firmly with the caulking nut (use a flat headed screwdriver) and finally insert the plastic frame and strainer on top (without adhesive). The frame and strainer will be held in a grout joint only once tiling commences.

Set up a continuous 10 mm bead of wedi 610 adhesive sealant along the pans channel on the outer perimeter and only in areas where you can immediately install a building board into the fresh sealant.

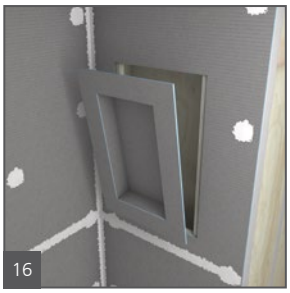


Push the wedi board all the way into the channel of the shower base channel and its bead of sealant. Smooth out any pushed out sealant on inside seam using a putty knife. Fasten the boards directly to the studs starting 300 mm above the base and at a rate of 1 fastener per 300 mm. One extra fastener is set into the seam to the next board to create a flush transition.



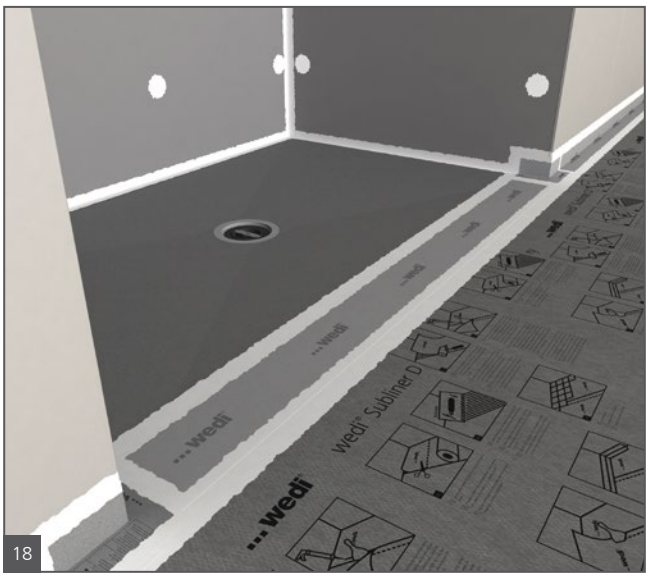
Apply continuous 10 mm beads of sealant between all connections of boards and install with thigthly butted seams. Excess sealant must be spread flat with a putty knife. All seams and fastener heads in the assembly are covered with a secondary 10 mm bead of sealant and spread flat. The seams should be covered 25 mm on either side of seam. All fastener/washers are covered with sealant stretching 25 mm over the washer edges.

wedi Niches are installed in a cut out in the wedi wall and attached with it's flange right into the center of 450 mm studs. wedi 610 adhesive sealant is set along the connection of wall to niche.



2 Fasteners each side of the niche are set to create a flush transition to the wall boards. Another 10 mm bead of wedi 610 adhesive sealant is spread over fasteners and seams.

Seal the wedi panel strips (included with your Ligno Shower Base) back into the Z-Notch of the Ligno shower base with the wedi 610 adhesive sealant.



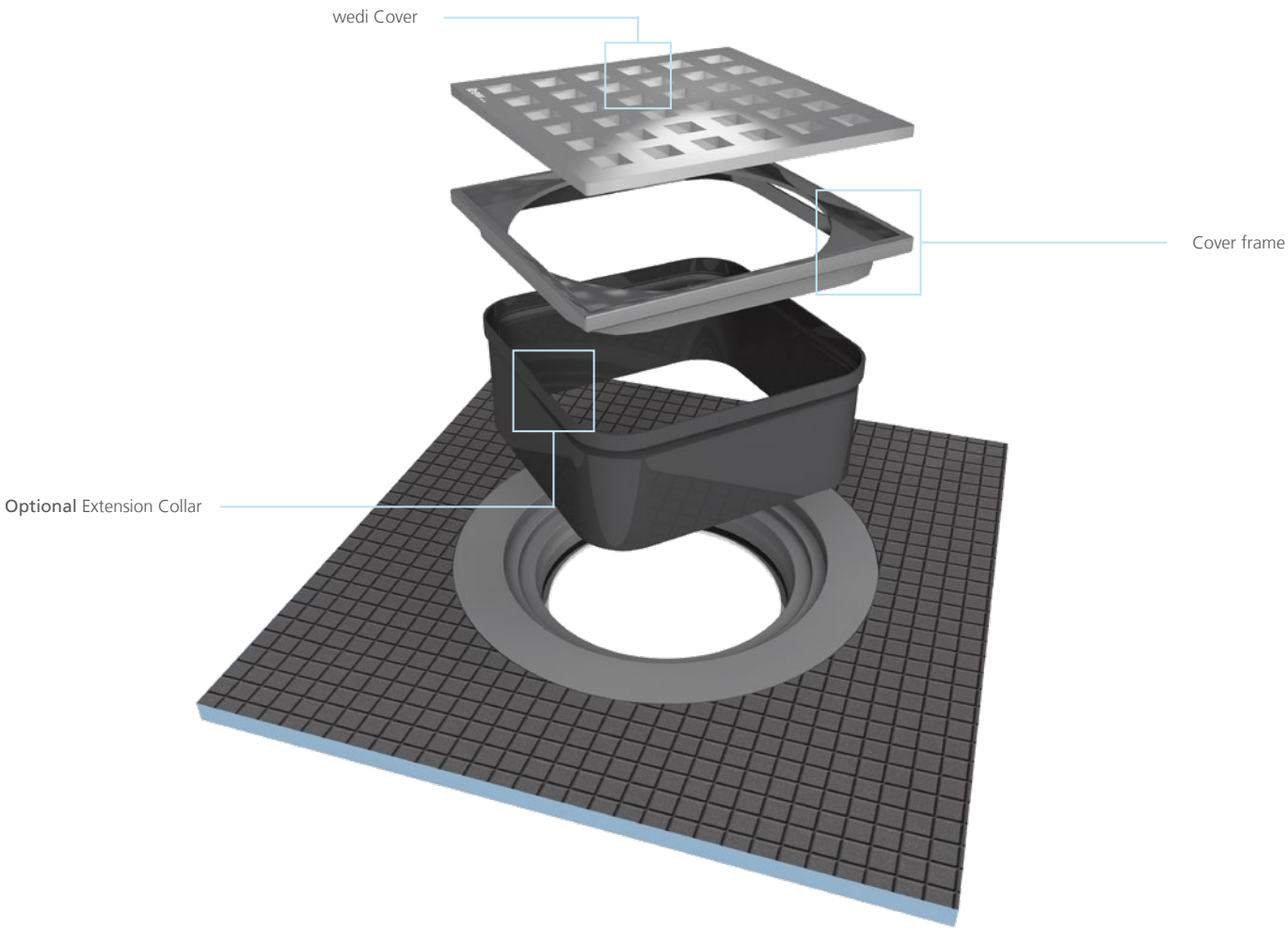
Use an accurate tile adhesive to your structural substrate and apply wedi Subliner Dry Sheet waterproofing membrane by bringing it into the Ligno shower base of minimum 100 mm. Apply wedi's prefabricated outside or inside sealing tape corners and sealing tape as a flashing to the wedi wall boards/Ligno and Subliner dry sheets as applicable.

All Subliner Dry seams are covered with a 10 mm bead of wedi 610 adhesive sealant and spread flat using a putty knife. Your shower is ready for tile once the tile adhesive is dry! Alternatively to applying the Subliner Dry sheet membrane system, you can also use the wedi building boards in 6 mm thickness in lieu of cement board and Subliner waterproofing. wedi Building Board would be installed over plywood subfloor and overlap and seal into the Ligno channel. In such application the Ligno base must be raised to allow its channel to fully stick out from the recessed area so wedi floor building boards can be interlocked with its channel. All seams to wedi walls or Ligno base are sealed internally with wedi 610 adhesive sealant, and are covered with an external 10 mm bead of wedi 610 adhesive sealant spread flat. Your shower is ready for tiling once tile adhesive under wedi Subliner Dry or wedi Building Boards on floor has cured.

For a fully waterproofed installation please install wedi sealing gaskets for mixing valve and shower head cut outs.

wedi Drain Cover Assembly / Insertion

Insert Cover frame into base hole (no glue/no screws). You may caulk between part and tile to create a flexible grout joint. The optional Extension Collar can be cut to height if part is needed. The caulk joint must not create a water barrier damming up the water draining through the thinset bed into the drain from below the tile. Therefore the thinset layer must be continuous toward the drain.

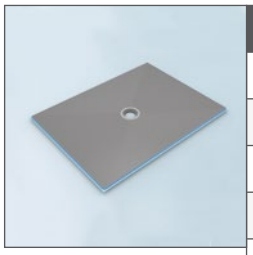


Fundo Standard
Stainless Steel Cover/Frame

Fundo Fino Tile insert Cover Plate,
for tiles with a maximum thickness of 13 mm

Please note: A Drain cover has to be purchased separately and can be found in various different designs at www.wedi.com.au

wedi Fundo Ligno | Square and Rectangular Shower Bases, Center Drain



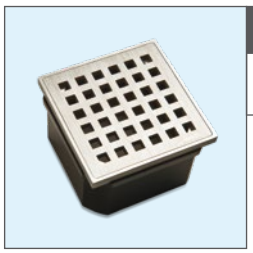
Description	Dimensions	Unit	Item #
wedi Fundo Ligno, square	1020 × 1020 × 20 mm	1 pc	073732060
wedi Fundo Ligno, square	1220 × 1220 × 20 mm	1 pc	073732061
wedi Fundo Ligno, square	1524 × 1524 × 20 mm	1 pc	073732018
wedi Fundo Ligno, rectangular	914 × 1524 × 20 mm	1 pc	073732016
wedi Fundo Ligno, rectangular	1020 × 1220 × 20 mm	1 pc	073732061
wedi Fundo Ligno, rectangular	1220 × 1524 × 20 mm	1 pc	073732017

All Fundo dimensions are outside-dimensions including the Z-Notch. Please refer to the technical drawings on the wedi webside www.wedi.com.au

wedi Fundo Primo and Ligno Drain Kit

Description	Unit	Item #
wedi Fundo Primo and Ligno Drain Kit	1 pc	US1000040

wedi Fundo Standard | Drain Cover, Stainless Steel Base

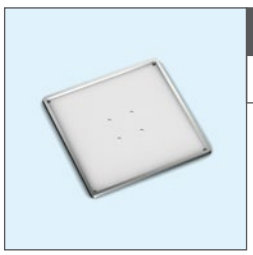


Description	Width × Length	Unit	Item #
wedi Fundo Drain Cover Set, Brushed Stainless Steel	100 × 100 mm	1 pc	US1000031

- For this drain cover, the height of your tiling must be at least 6 mm.
- For use with wedi Fundo Primo, Ligno, Trollo, Nautilo bases.

- 1 drain cover, stainless steel
- 1 frame

wedi Fundo Fino | Tileable Cover Plate, Stainless Steel Brushed



Description	Unit	Item #
wedi Fundo Fino Tileable Cover Plate, square	1 pc	US5000087

- For use with wedi Fundo Primo, Ligno, Trollo, Nautilo bases.
- Tileable cover plate surface is elevated 2 mm over tile surface of a Fundo base. For a flush tile installation, wedi 610 adhesive sealant spot bonding may be used to install the tile inside the cover so height is reduced versus the thinset bed build up under the tile on the shower base.

- 1 drain cover, stainless steel
- 1 Frame, stainless steel

Did you know?

Great Quality Installation results depend on not only having great products to use – the Know-How and Experience in how to use them is key too. wedi trained and certified all Baeumler Quality Construction installers in my team and now they fully know and appreciate what they can achieve with wedi.

This educational service is offered to all professional contractors of all trades and wedi's local Technical Sales Support Managers come out on site and install with you when you do your first wedi shower installation. Your peace of mind – at no charge. Just a call away!

Be sure to ask for:
Certified wedi Installer.

Your local wedi distributor:

wedi Australia & New Zealand

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