

fermacell Product Data Sheet

**fermacell Powerpanel H₂O**
Linear Shower Outlet 2.0**Product**

The prefabricated **fermacell** Powerpanel H₂O Linear Shower Outlet 2.0 is the quick and economic dry solution for flush-to-floor installation of shower trays (included in the installation set). In combination with **fermacell** Powerpanel H₂O Flooring Elements, the entire floor area can be created as a dry construction – the ideal substrate for tiles, natural stone and other coverings.

Application and Properties

The **fermacell** Powerpanel H₂O Linear Shower Outlet 2.0 is the dry construction solution for a level installation of shower trays in bathrooms and shower rooms

- Easy installation of elements thanks to the overlapping edge design
- Predefined gradient eliminates inaccuracy in gradient formation
- The **fermacell** Powerpanel H₂O Linear Shower Outlet 2.0 is designed for use with **fermacell** Powerpanel H₂O Flooring Elements to guarantee the correct connection and level junction of the panels
- Can also be used with conventional screeds
- The finished surface is safe for wheelchair use due to the high strength of the **fermacell** Powerpanel H₂O Flooring Elements.
- The construction is suitable for large-format tiles (note area of application)

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Product Description

The installation set contains 2 gradient elements, which can be used to create a shower tray area of 1000 × 950 mm.

The prefabricated shower tray elements consist of:

- 30mm thick, highly pressure-resistant polystyrene insulating material (EPS DEO 200) with a gradient of approx. 2 % and factory-laminated 25 mm **fermacell** Powerpanel H₂O Flooring Element (cement-bound lightweight concrete board)

Pack also includes:

- Stainless steel linear drain outlet (length: 825 mm)
- Universal cover (length: 735 mm) with 2 possible applications:
 - as a recess for tiling
 - as a visible cover, brushed stainless steel
- Horizontal drain bowl (standard, outlet performance 0.8 l/sec.)
- 2.5 m self-adhesive butyl sealing tape
- 20 × **fermacell** Powerpanel H₂O Floor Screws (3.5 × 23 mm)
- 50 g **fermacell** Floor Glue



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Technical data	
Dimensions of gradient area	1000 x 950 mm (W x T)
Dimensions of gradient elements	1200 x 1050 mm (W x T)
Gradient	approx. 2 ‰
Installation height	approx. 150 mm up to flooring element, thereof Linear Shower Outlet 2.0 = 55 mm (30 mm polystyrene and 25 mm fermacell Powerpanel H ₂ O) and horizontal drain bowl = 95 mm
Accessibility	After approx. 24 hours (20 °C, 50 % rel. humidity)
Substrate and room temperature	min. + 5 °C
Adhesive temperature	min. + 10 °C to max. + 35 °C
Weight	approx. 40 kg
Shelf life (fermacell floor glue)	12 months, cool, dry, frost-free*

*Short-term effects of frost during transport and storage do not damage **fermacell** Floor Glue

Merchant data	
Item number	75084
EAN	4007548018319
Quantity / pallet	10 units
Weight / set	approx. 40 kg
Dimensions	approx. 1110 x 880 x 105 mm (L x W x H)



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Installation

Preparation of gradient area	
<p>Position drain bowl in the middle of the gradient area flush at the wall</p> <p>Note: The drain bowl must be placed on a load-bearing substrate and properly connected. It is recommended that the drain bowl is covered with a thin foam for noise insulation.</p>	
<p>Apply the red protective seal to the drain bowl</p>	
<p>Mix the fermacell bonded levelling compound according to the instructions on the packaging and level out at the top edge of the drain bowl (approx. 95 mm)</p>	
<p>Make sure the floor is level</p>	

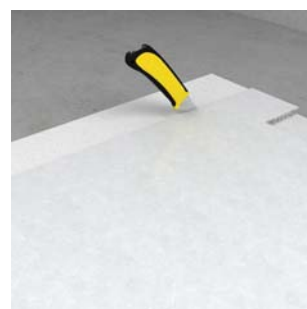
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Once the bonded levelling compound has hardened, apply the perimeter strips, e.g. **fermacell** Perimeter Strips



Installation of gradient elements

If required, cut away the overlapping polystyrene hard foam from the gradient element along the side wall.



Place and align the first gradient element.



Apply **fermacell** Floor Glue to the edge
(2 glue strings approx. 5 mm Ø)



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Push both gradient elements together ...



... and screw together with the **fermacell** Powerpanel H₂O Floor Screws, included in the pack (screw spacing approx. 15 cm)



Installation of **fermacell** Powerpanel H₂O Flooring Element



30 mm polystyrene hard foam (EPS DEO \geq 150 kPa) on the surrounding surface...



... or lay 30 mm of suitable underfloor heating system



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<p>Install fermacell Powerpanel H₂O Flooring Element up to the front edge of the linear outlet set</p> <p>Attention: During installation, ensure that the overlapping edge of the fermacell Powerpanel H₂O Flooring Element is flush with the front overlapping edge of the gradient elements</p>	
<p>Glue and screw down the continuous fermacell Powerpanel H₂O Flooring Element – element</p>	
<p>After approx. 24 hours, the hardened floor glue can be scraped off and joints can be filled, e.g. with fermacell Powerpanel Surface Treatment.</p>	

Installation of drainage channel

Cut off perimeter strips



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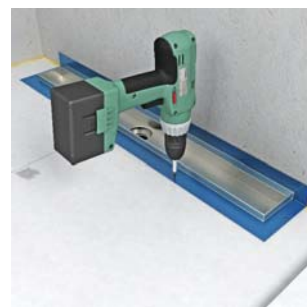
<p>Remove protective seal</p>	
<p>Stick down drain with a suitable adhesive, e.g. with fermacell Jointstick</p> <p>Also apply adhesive to overhang area</p>	
<p>Insert drain...</p>	
<p>... and check the bond between the drain and the drain bowl: Check whether the drain is inserted in the drain bowl by hand, the odour trap can then be installed.</p>	

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Screw down the drain with the enclosed **fermacell** Powerpanel H₂O Floor Screws

Note:

When screwing down the drain, press lightly to the wall



Sealing the drain

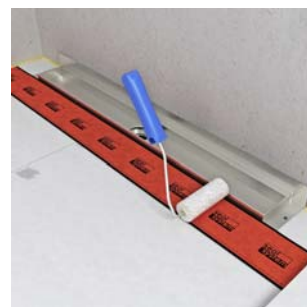
Remove protective film from drain

Attention:

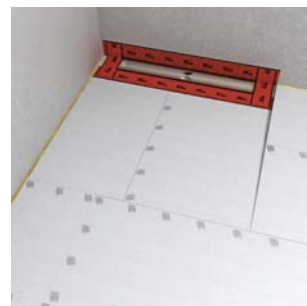
Do not touch stainless steel under the protective film.



Stick down enclosed butyl sealing tape on drain and gradient elements and press down well ensuring there are no creases ...



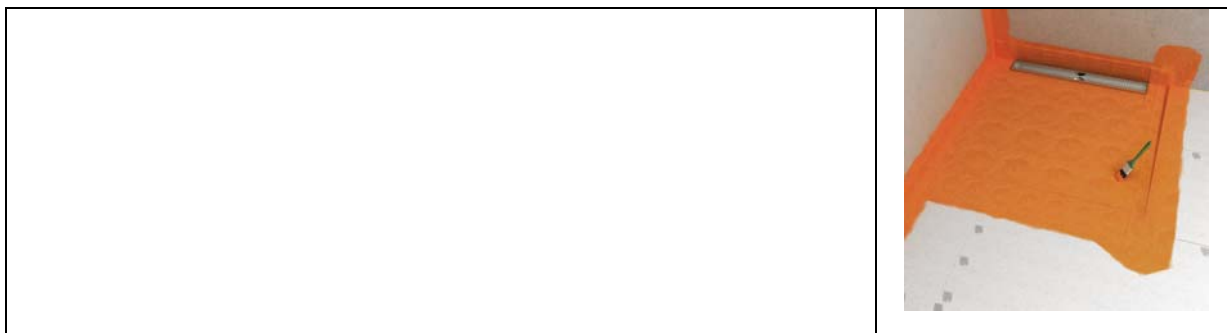
... and overlap the corners



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Sealing	
<p>Surfaces must be primed beforehand with fermacell Deep Primer. Then seal the connections to the adjacent components, e.g. stick down fermacell Internal Sealing Corner pieces with fermacell Waterproofing Application.</p>	
<p>Stick down fermacell Flexible Sealing Tape with fermacell Waterproofing Application.</p>	
<p>Completely seal gradient area, e.g. double application of fermacell Waterproofing Application.</p>	

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Cover	
<p>Attach spacer, as either:</p> <ul style="list-style-type: none"> ■ an upper stainless steel visible cover ■ as a recess for tiling 	
<p>Install cover</p>	

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Further information

The normal precautions for handling construction chemical products must be observed. Skin contact must be avoided. Contaminated work tools must be immediately cleaned. Hardened adhesive must only be removed mechanically.

Our recommendations are based on extensive testing and practical experiences. They do not replace guidelines, standards, approvals and applicable technical data sheets. Due to the large number of possible influences for processing and application, we recommend that you carry out trial processing and application. No claims for compensation may be derived from the information provided. Delivery, processing and the warranty on features assured by us will be in accordance with our GTCs.

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