

## fermacell Product Data Sheet



### fermacell Powerpanel H<sub>2</sub>O Linear Shower Outlet 2.0

#### Product

The prefabricated **fermacell** Powerpanel H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O Linear Shower Outlet 2.0 is designed for use with **fermacell** Powerpanel H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 H<sub>2</sub>O 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 <b>fermacell</b> Powerpanel H <sub>2</sub> 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 ( <b>fermacell</b> floor glue)	12 months, cool, dry, frost-free*


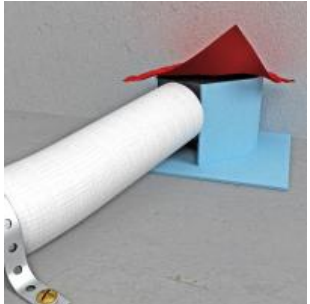


\*Short-term effects of frost during transport and storage do not damage **fermacell** Floor Glue

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><b>Note:</b> 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 <b>fermacell</b> bonded levelling compound according to the instructions on the packaging and level out <b>at the top edge of the drain bowl</b> (approx. 95 mm)</p>	
<p>Make sure the floor is level</p>	

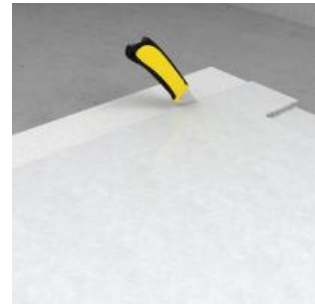
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Once the bonded levelling compound has hardened, apply the perimeter strips, e.g. **fermacell** Perimeter Strips



### 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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<p>Push both gradient elements together ...</p>	
<p>... and screw together with the <b>fermacell</b> Powerpanel H<sub>2</sub>O Floor Screws, included in the pack (screw spacing approx. 15 cm)</p>	

### Installation of **fermacell** Powerpanel H<sub>2</sub>O Flooring Element

<p>30 mm polystyrene hard foam (EPS DEO <math>\geq</math> 150 kPa) on the surrounding surface...</p>	
<p>... or lay 30 mm of suitable underfloor heating system</p>	

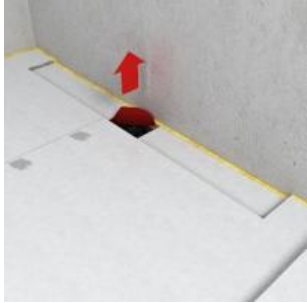

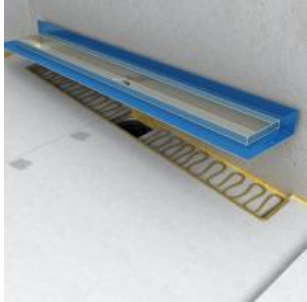
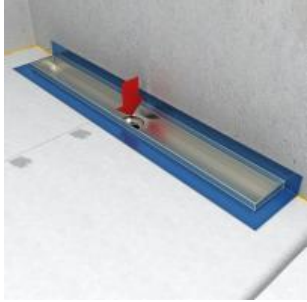
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<p>Install <b>fermacell</b> Powerpanel H<sub>2</sub>O Flooring Element up to the front edge of the linear outlet set</p> <p><b>Attention:</b> During installation, ensure that the overlapping edge of the <b>fermacell</b> Powerpanel H<sub>2</sub>O Flooring Element is flush with the front overlapping edge of the gradient elements</p>	
<p>Glue and screw down the continuous <b>fermacell</b> Powerpanel H<sub>2</sub>O 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 <b>fermacell</b> Powerpanel Surface Treatment.</p>	

### Installation of drainage channel

<p>Cut off perimeter strips</p>	
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<p>Remove protective seal</p>	
<p>Stick down drain with a suitable adhesive, e.g. with <b>fermacell</b> 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>	

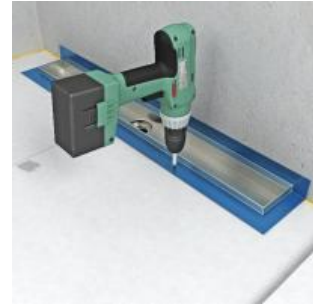


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Screw down the drain with the enclosed **fermacell** Powerpanel H<sub>2</sub>O Floor Screws

**Note:**

When screwing down the drain, press lightly to the wall

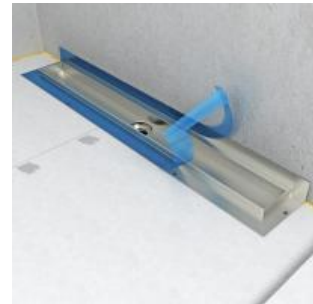


### Sealing the drain

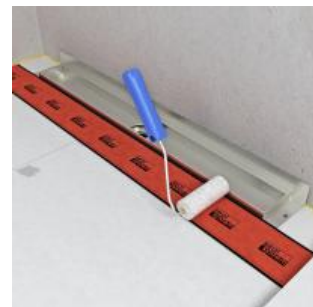
Remove protective film from drain

**Attention:**

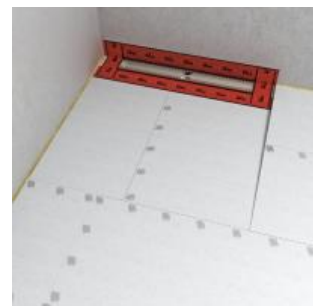
Do not touch stainless steel under the protective film.




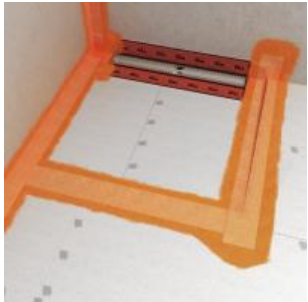
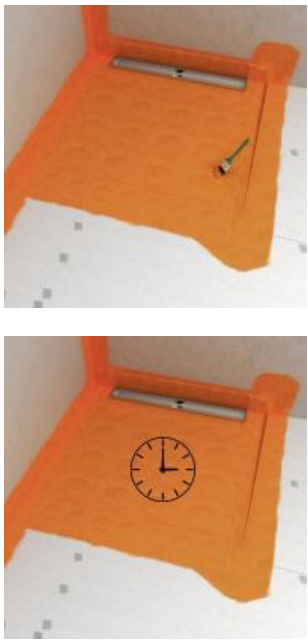
Stick down enclosed butyl sealing tape on drain and gradient elements and press down well ensuring there are no creases ...



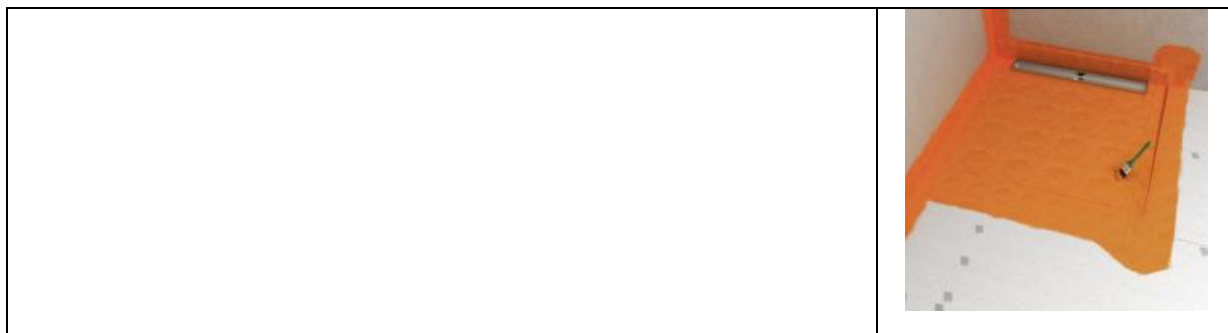
... and overlap the corners





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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 <b>fermacell</b> Internal Sealing Corner pieces with <b>fermacell</b> Waterproofing Application.</p>	
<p>Stick down <b>fermacell</b> Flexible Sealing Tape with <b>fermacell</b> Waterproofing Application.</p>	
<p>Completely seal gradient area, e.g. double application of <b>fermacell</b> Waterproofing Application.</p>	

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