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ERFURT-KlimaTec®
Varioplatte VP 1000+ PRO panel

ERFURT®
WÄNDE ZUM WOHLFÜHLEN

Product benefits

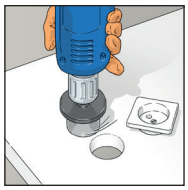
- Made of recycled raw materials
- Lightweight
- Optimum adhesion e.g. for plaster, filler, adhesive
- Breathable, has a moisture-regulating effect
- Non-flammable
- Dimensionally stable, no swelling or shrinkage
- Durable, shockproof and impact-resistant
- Moisture-resistant, so ideal for use in wet rooms
- Frost-proof
- Excellent load-bearing capacity (70 KG)
- Flexible

How to use

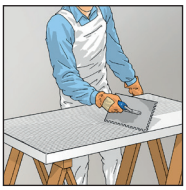
1. Fill cracks, chipped surfaces and significantly uneven surfaces with ERFURT-System Adhesive SR 6 PRO.

2. Fit a sealing tape to the floor, ceiling and adjoining walls and to all moving structures, such as windows, for acoustic and mechanical separation.

3. Use a Stanley knife to scarify the Varioplatte panel and break along an edge, or cut with a saw.

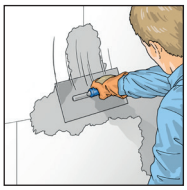


4. Use a keyhole saw or similar to cut openings for switches and sockets before fitting the panels, and use appropriate flush-mounted boxes.



5. Use a toothed trowel/toothed comb to comb adhesive onto the Varioplatte panel (10 mm toothing/C5).

6. Press the Varioplatte panels onto the wall, offset above each other (min. 20 cm), with moderate pressure. Avoid cross joints and gaps. Remove excess adhesive along the edges.



7. Fill the joints between the panels flush with ERFURT-System Adhesive SR 6 PRO.

8. Finally, the entire surface can be filled, plastered, tiled or covered with natural stone.

KlimaTec PRO

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Technical Data Sheet 07/2025

Product description

ERFURT-KlimaTec Varioplatte VP 1000+ PRO

Manufacturer

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Raw materials/Manufacture

ERFURT-KlimaTec Varioplatte VP 1000+ PRO panels are 1.0 cm thick lightweight construction panels manufactured from expanded glass granulate. Both sides of the panels are laminated with alkali-resistant fibreglass webbing. This makes the panels lightweight and extremely stable.

Application:

Versatile to use outside and inside, lightweight and easy to use panels, e.g. as support plates for many different surface applications

Product specification:

- Order no.: 1004493
- Panel dimensions: 120 x 80 x 1.0 cm
- Panels/pallet: 120 panels
- Weight approx. 5.2 kg/panel

- Order no.: 1004527
- Panel dimensions: 240 x 120 x 1.0 cm
- Panels/pallet: 120 panels
- Weight approx. 15.6 kg/panel

- Bending tensile strength: 9 N/mm²
- Compressive strength: 4 N/mm²
- Thermal conductivity: λ = approx. 0.12 W/mK
- Thermal length variation: 0.0000095 1/K
- Reaction to fire: A2-s1,d0 according to DIN EN 13501-1
- Water vapour diffusion sd value: approx. 0.15 m
- pH: approx. 9
- Ultra-low-emission: tested to the AgBB Standard

Product details:

- Frost- and moisture-resistant
- Suitable for indoor and outdoor use
- Breathable
- Suitable for damp environments and dry lined walls
- Adheres to masonry, concrete, and plaster
- Evens out uneven base surfaces
- Pressure-resistant
- Easy to cut
- Reinforced by webbed laminate on both sides
- A wealth of design options

Dimensional tolerances:

- Thickness +/- 1 mm
- Width +/- 4 mm
- Length +/- 5 mm
- Evenness ≤ 3 mm

Application

Varioplatte panels create flat and pressure-resistant finishes on uneven base surfaces and provide many opportunities for (breathable) wall designs, whether using plaster, tiles or natural stone. It is ideal for bonding directly to concrete, masonry or plaster. It can also be screwed to a wooden framework. Their frost-resistant properties make Varioplatte panels ideal for use outside and inside.

Preparation of the base surface:

ERFURT-KlimaTec Varioplatte VP 1000+ PRO panels can be used on all firm base surfaces in accordance with DIN 18157, Part 1, e.g. concrete, cellular concrete, plaster (interior plaster in accordance with 18550-2:2018-01 and DIN EN 13914-2:2016-2017), masonry etc. Level any unevenness in the base surface with ERFURT System Adhesive SR 6 PRO up to a thickness of 15 mm on walls and ceilings before laying the panels. Ensure that the base surface is dry, firm, free of continuous cracks, and with no separating substances, such as oils, coatings, layers of sinter, and loose material. Remove old wallcoverings and dirt. It should essentially have a sealed surface and a strength corresponding to the type of surface.
It is essential, when laying panels, to pre-treat the base surface and work in accordance with DIN 18157, Part 1. Prime absorbent base surfaces with a solvent-free base primer. Adhesion on plaster: ensure that the plaster is dry, dust-free, solid, and firm before starting to apply. If in doubt, use a CCM instrument to check that the humidity is no higher than 1 mass percent. Treat the gypsum plaster (single layer, d ≥ 10 mm) with a primer suitable for gypsum base surfaces.

Applying to walls and ceilings:

To avoid sound transfer, fit a sealing strip all around wall joints and movable elements, such as floating screed, windows etc. Use a Stanley knife to scarify the ERFURT-KlimaTec Varioplatte VP 1000+ PRO, break along an edge, and cut through the fabric webbing. Alternatively use a saw to cut the Varioplatte panels. Use a keyhole saw to cut out openings for switches and sockets before fitting the panels. Use ERFURT System Adhesive SR 6 PRO to bond the Varioplatte panels (mixing ratio: 8.5 l water with 15 kg of ERFURT System Adhesive SR 6 PRO). Use a toothed trowel/toothed comb to evenly comb adhesive onto the rear of the Varioplatte panels (10 mm toothing/C5: equates to approx. 2.2 kg/m²). The adhesive can also be applied to the wall side with uneven base surfaces. Make sure that the entire surface of the panel lies against the base surface and avoid hollows. Press ERFURT-KlimaTec Varioplatte VP 1000+ PRO panels onto the wall offset above each other (min. 20 cm) with moderate pressure. Avoid cross joints and gaps. Remove excess adhesive along the edges. Fill the gaps / joints between the panels flush with ERFURT System Adhesive SR 6 PRO.

When bonding to the ceiling,

also apply ERFURT System Adhesive SR 6 PRO to the ceiling. Ensure that the entire climate panel is in contact with the base surface and avoid hollows. Apply with moderate pressure to the ceiling. While the adhesive is drying, use assembly supports to hold the panels in place. Once the adhesive has cured, use plugs to mechanically hold the panels in place for extra safety. Use nylon plugs, suitable for through-hole assembly (e.g. Fischer Universal plugs UX 6 x 35) and stainless steel screws with a countersunk head and grooves on the underside of the head (e.g. Spax T Star Plus stainless steel 5 x 50). Use a 6 mm drill bit to drill the hole, insert the plug into the drill hole and screw the screws into the hole with torque control to ensure that the countersunk head disappears 1 mm into the panel. Position the screws along the edges of the panel allowing a minimum of 5 cm from the edges of the panel.

Made in Germany
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Base surface for coatings:

Apply ERFURT System Adhesive SR 6 PRO to the entire surface of the Varioplatte panels before painting indoors. If the Varioplatte panels have not been fully bonded to the substrate or screwed to wooden framework, at least the joints or the entire surface must be reinforced. Then use a maximum thickness of 2 mm of SR 6 PRO to fill in the gaps. The required drying time of the filler before painting depends on the thickness of the layer. Allow one day's drying time for every millimetre of layer thickness. Once dry, paint the surface with any (breathable) washable emulsion paints that comply with EN 13300 or wallpaper it. Full reinforcement is required outdoors, as is a weather-resistant outdoor plaster system that guarantees protection from heavy rain.

Tiles:

System Adhesive SR 6 PRO can be use to apply ceramic tiles directly to the Varioplatte VP 1000 + PRO panels.

Disposal

Dispose of waste according to local regulations.
AVV Waste Code 170107 Mixed construction waste.

Important note:

Never expose Varioplatte VP 1000+ PRO panels to continuous moisture or standing water. The manufacturer cannot guarantee the material properties of the product if the above points are not complied with. Slight "cupping" of the panels is within manufacturing tolerances. The panel will sit flat when laid into the bed of adhesive. Store the panels flat and horizontally.
Take appropriate measures to protect surfaces, specifically glass, ceramic, natural stone etc., which are not to be treated. Provide appropriate technical protective equipment (e.g. dust mask, safety goggles) and, if necessary, technical measures (e.g. extraction) when handling. The above information corresponds to the current state of the art. This information does not claim to be complete. As the application and use of our products lies outside our influence, and varying circumstances of use, modes of working and materials require their use to be adapted to the respective working conditions, no legal obligation can be derived from this technical information. All previous technical data sheets lose their validity with this edition.
Please contact our technical hotline +49 202 6110 375 or e-mail awt@erfurt.com should you have any technical questions about our products or the use of our products.

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