

## KlimAir Adhesive Filler 1868



Mineral adhesive and filler material, synthetic resin modified, fine-grained, white, for interior use

### Field of application

For bonding and filling the KlimAir Panels when using the KlimAir System in interior areas.

### Properties

- With lightweight, mineral filler material
- Polymer modified
- Low-dust
- Alkaline
- Very good wet adhesive strength and durability
- With good adhesion
- Easy to sand
- High sorption capacity
- Long open time
- High compressive strength
- Diffusible
- Easy to apply

### Material description

<b>Color shade</b>	White gray
<b>Base material</b>	White cement base with lightweight filler materials (polymer modified)
<b>pH value</b>	approx. 11
<b>Max. wet application layer</b>	10 mm
<b>Bulk density</b>	approx. 0.77 g/cm <sup>3</sup>
<b>Packaging</b>	15 kg

## Use

<b>Mixing</b>	Put cold water in a clean mixing container, add KlimAir Adhesive Filler 1868 in the specified mixing ratio while stirring constantly to achieve a paste-like, homogeneous and lump-free mass. Thoroughly stir the material for approx. 2 minutes. Ensure that the package is completely empty. For mixing, we recommend using a high-performance mixer (at least 900 watts) with approx. 600–1000 rpm with a right-handed spiral stirring rod (plaster stirring rod). Only mix as much material as can be applied in the open time.
<b>Mixing ratio</b>	1.9 parts by weight of KlimAir Adhesive Filler 1868 to 1 part by weight of water. Ensure the mixture is entirely free from lumps.
<b>Water addition</b>	Approx. 8.0 liters of water per 15 kg bag.
<b>Tinting</b>	Do not tint.
<b>Compatibility</b>	Do not mix with other materials.
<b>Application</b>	For bonding, apply KlimAir Adhesive Filler 1868 to the wall surface with the Notched Trowel 3704 or the Notched Trowel 3749 and also thinly to the rear side of the KlimAir Panel 1866. For filling the bonded KlimAir Panel 1866, use KlimAir Adhesive Filler 1868 with the Stainless Steel Trowel 3792. Follow the instructions in the KlimAir Panel 1866 Data Sheet.
<b>Open time (+20°C)</b>	The mixed adhesive and filler material remains workable for approx. 2 hours. Do not stir, dilute or further process the solidifying material.
<b>Consumption</b>	For bonding, approx. 3.0 kg/m <sup>2</sup> on an even substrate. For filling, approx. 1.0 kg/m <sup>2</sup> on a 1 mm layer thickness. Determine the exact consumption by means of a test application on the object to be coated.
<b>Application temperature</b>	Do not apply if air or object temperature is below +5°C or above max. 30°C.
<b>Tool cleaning</b>	Clean with water immediately after use.

## Drying (+20 °C, 65 % relative humidity)

Drying depends on the layer thickness. Thinner layers (up to 1 mm) can generally be coated after drying overnight. Allow for a longer drying time with thicker layers and if the temperature is lower and/or the humidity is higher.

## Storage

Can be stored dry and unopened for at least 12 months. Reseal opened containers tightly.

## Declaration

<b>Product code</b>	ZP1 Comply with the specifications in the current Safety Data Sheet.
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## Coating build-up

- Substrate preparation** The substrate must be solid, dry, clean, load-bearing, and free from efflorescences, sintered layers, separating agents, corrosion-promoting components, or other intermediate layers affecting the adhesion. Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Remove defective and unsuitable coatings completely, and dispose of them in accordance with the applicable regulations. Thoroughly wash off limepaint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand down well and clean. Remove all traces of wall coverings. If necessary, also fill surfaces, after appropriate pretreatment, with KlimAir 1868 Adhesive Filler. Depending on the individual requirements, prime absorbent substrates with Fondosil 1903. See also VOB Part C, DIN 18363, Section 3.
- Bonding and filling** Cover the entire surface of the KlimAir Panel 1866 with KlimAir Adhesive Filler 1868, bond it into place, and after drying, fill the entire surface with the KlimAir Adhesive Filler 1868. Follow the instructions in the KlimAir Panel 1866 Data Sheet.

## Notes

- Mask surfaces** Mask the surroundings of the surfaces to be coated carefully, especially glass, brick and natural stone.
- Further information** Follow the instructions on the data sheets of the products used.

## Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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