

### LEVELLING COMPOUNDS

## KOMBI FINISZ G5

Mineral levelling finish render



### MAIN ADVANTAGES

- Aesthetic, white and fine-grain texture
- High resistance to shrinking cracks
- Easy to apply and process
- Hydrophobic and vapour permeable layer
- Wide range of application
- Reinforced with microfibres

### AREAS OF APPLICATIONS

It is used for thin-layer smoothing and levelling of walls and ceilings both inside and outside buildings, including the **KABE THERM AVANT** EWI system based on EPS and **KABE THERM MW** based on mineral wool - to make a smooth texture **MINERALITT - DECOR SMOOTH TEXTURE**. It can be used as a finish coat or as a base coat for finishing renders and paint coats. Thanks to the white colour, it allows to limit the number of paintings to achieve a full decorative effect. The product, after mixing with water, is an easy to apply compound of plastic consistency which after hardening makes up an aesthetic finish coat. The material after proper finishing allows for achieving the 'felt' texture. The levelling /finish render is intended for application on seasoned mineral substrates (such as lime, cement-lime, cement render/plaster and brick walls and concrete substrates).

### TECHNICAL SPECIFICATION

**Base binder:** mix of hydraulic binders and modifiers, contains polypropylene fibres;

**Bulk dry density when hardened:** ca. 1.360 kg/m<sup>3</sup>

**Grain size:** up to 0.5 mm;

**Mixing ratio:** ca. 7 l of water per 25 kg of levelling compound;

**Usable time after adding water:** ca. 2 hours;

**Maximum thickness of one layer:** 5 mm;

**Colour:** white;

**Consumption:** ca. 1.5 kg/m<sup>2</sup> per each 1 mm of the layer thickness;

**Temperature of application (air and substrate):** from +5°C to +30°C;

**Levelling compound class acc. to PN-EN 998-1:** GP (general purpose);

**Range of compressive strength:** cat CS IV;

**Adhesion:** ≥ 0.3 N/mm<sup>2</sup>; FP-B;

**Water absorption:** cat. Wc1;

**Water vapour permeability coefficient μ:** ≤ 12;

**Thermal conductivity coefficient λ<sub>dry,10</sub>** = 0.93 (W/m\*K) for P=50%;

**Reaction to fire:** class A1;

**Packaging:** Disposable paper packaging containing 25 kg of the product.

**Storage:** The product should be stored in its original sealed packaging, on pallets, in dry frost and damp protected rooms.

**Note:** The product must be kept out of the reach of children.

**Shelf life:** Originally sealed products have a 12-month shelf life from the date of production (this is printed on the side of tile packaging).

### APPLICATION METHOD

**SUBSTRATE PREPARATION:** Apply to a sound/stable substrate (without scratches and cracks), degreased, even, dry and biological or chemical efflorescence free. In case of algae and/or fungal growth, the substrate should be cleaned by mechanical means, then rinsed with water and disinfected with **ALGIZID** agent. Any loose layers not bound to the substrate (i.e. dirt, dust, loose renders or flaked coatings) should be removed. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. If there is any large unevenness to the substrate, use a levelling compound. If mortar is applied on newly made mineral substrates (such as lime, cement-lime, cement renders/plasters and concrete substrates), the mortar can be applied after an initial binding. During the process of substrate preparation best construction practices apply.

**PRIMING:** Before applying the levelling/finish render absorbent substrates should be primed with **BUDOGRUNT ZG / BUDOGRUNT WG**. Typical setting time ca. 3 h under optimum weather conditions (temp. +20°C, 55% RH). When the primer is completely dry, levelling/finish render can be applied.

**PRODUCT PREPARATION:** Pour the contents of the packaging into a container with a measured amount of clean and cold water (7 l per 25 kg of levelling/finish render) and thoroughly mix (with a low-speed mixer fitted with a basket stirrer) until homogeneous mixture is obtained. Then, leave the levelling/finish render for ca. 10 minutes to mature. Before application, the product should be mixed again. Depending on the temperature and air humidity, finished mortar may be used for application for ca. 2 hours. **Note:** Both too long and too intensive mixing can lead to excessive aeration of the levelling/finish render and, as a consequence, to lowering its strength parameters.

**APPLICATION:** Spread a thin, uniform layer of levelling/finish render on the substrate at a thickness ranging from 1 mm to 5 mm, using a stainless steel trowel. The levelling/finish render can be applied in a few layers in order to obtain the assumed effect. The finish coat should be smoothed with a wet sponge or felt. Time of processing depends on substrate water absorbency, thickness of layer applied and drying conditions. Final layer can be additionally smoothed with a sandpaper by grinding it on the whole surface. **Note:** The product is alkaline, therefore, it is necessary to protect eyes and skin. Safety clothing (PPE) must be worn while carrying out any work. In case of contact with eyes, immediately rinse them thoroughly with plenty of water. If irritation develops, seek medical assistance.

**DRYING:** The levelling/finish render can be processed after 24 hours. Next levelling/finish render layer can be applied only after the previous one initially binds and hardens, i.e. after min. 24 hours. Before painting, the levelled layer requires seasoning - taking one day to dry for every 1 mm of layer thickness (when drying at +20 °C and relative humidity 65%). **Note:** Binding time may be longer due to low temperatures and high relative humidity. Protect the fresh levelling/finish render against precipitation until complete setting and binding is obtained.

**USEFUL HINTS:** Application and binding of levelling/finish render requires dry days and air and the substrate temperature within a range from +5°C to +30°C. Avoid applying in direct sunlight or during strong winds. To protect fresh render against inclement weather conditions, scaffolding should be covered with some protective netting or tarpaulins. All tools should be cleaned with water after work is completed.