

### ACRYLIC

# PERMURO AVANT

Acrylic render



### MAIN ADVANTAGES

- Resistance to adverse atmospheric conditions
- High impact resistance
- Additional anti-fungal and algae protection
- Wide range of colours

### AREAS OF APPLICATIONS

To be used as a manually applied thin top coat for external use. It is used on both mineral substrates (e.g.: concrete, cement render and cement-lime render) and on synthetic substrates covered with well set polymer-based coatings. **PERMURO AVANT** render is a component of **KABE THERM RENO\***, **KABE THERM ELASTO\*** and **KABE THERM AVANT\*** EWI systems based on EPS. The substrate should be primed with **PERMURO GT** prior to applying the render.

### TECHNICAL SPECIFICATION

**Base binder:** copolymer binder;  
**Pigments:** organic and non-organic coloured pigments resistant to atmospheric conditions;  
**Colours:** natural white, colours from the KABE colour chart and selected NCS colours or according to samples provided;  
**Textures:** solid/grained;  
**Grain size:** 1.5 mm; 2.0 mm;  
**Diluent:** water;  
**Temperature of application (air and substrate):** from +5°C to +25°C;  
**Relative humidity:** <75%;  
**Vapour permeability:**  $S_d=0.33$  m (cat. V2);  
**Water absorption:**  $w=0.09$  kg/m<sup>2</sup>·h<sup>0.5</sup> (cat. W3);  
**Packaging:** Single-use plastic packaging of 25 kg.

**Storage:** The product should be stored in its original sealed packaging in a cool frost-protected room. Opened packaging should be tightly closed and used as quickly as possible.

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

Average coverage (kg/m<sup>2</sup>):

TEXTURE	Grain size (mm)	
	1.5	2.0
<b>SOLID/GRAINED</b>	2.4	3.0

### APPLICATION METHOD

**SUBSTRATE PREPARATION:** Apply to a sound/stable and clean substrate (without cracks and delaminations), degreased, even and dry, and biological or chemical efflorescence free. In case of algae/fungi growth, the substrate should be cleaned mechanically and then wash with water and disinfect with **ALGIZID**. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. Any loose layers not bound to the substrate (i.e. loose render or flaked coatings) should be removed. If there is any large unevenness of the substrate (from 5 to 15 mm), use levelling compound and then apply the whole surface with **KOMBI** base coat. Minor unevenness (up to 5 mm) can be levelled out at once and smoothened with **KOMBI** base coat. Absorbent substrates should be primed with **BUDOGRUNT ZG** before levelling compounds application. If the acrylic finish coat is applied on new mineral substrates (i.e. cement, concrete render, cement-lime render) – a min. 4-week curing period is required. Prior to using render in **KABE THERM RENO**, **KABE THERM ELASTO**, **KABE THERM AVANT** EWI systems, all coats of EWI systems should be applied in accordance with the requirements for external thermal insulation composite system (ETICS). Acrylic render can be applied on a primed surface only when reinforcing coat is completely dry, i.e. after 3-4 days under normal conditions.

**PRIMING:** The substrate should be primed with **PERMURO GT** before applying the render. Primer should be dry before applying a finish coat, curing period lasts about 24 hours. To reduce the risk of substrate colour showing through the texture of top coat (especially when using a render of scraped or mixed texture), it is recommended to use a primer of the same colour as the top coat.

**PRODUCT PREPARATION:** The packaging contains a ready-to-use product. If stored for a long time and before application, the product should be thoroughly mixed with a low-speed mixer fitted with a basket stirrer until a smooth, homogenous consistency is obtained. Further mixing is not recommended as it may result in excessive aeration of the product. If required, add a small amount of clean water (max. 0.25 l per 25 kg of the product). Quantity of added water may vary depending on the substrate type, drying conditions and application method.

**APPLICATION:** Using a stainless steel trowel, apply a thin, uniformed quantity of the product to the substrate. The thickness of the coat should be equal to the grain size. To create texture, rub the surface with a plastic trowel making circular motions (solid/grained texture).

**DRYING:** Typical drying time ca. 6 h (20°C, 55% RH). Total hardening of the top coat takes ca. 48 hours. **Note:** Drying time may be longer, even up to a few days due to low temperatures and high relative humidity. To assist the drying of the finish coat, the surface should be protected against precipitation and condensation.

**USEFUL HINTS:** The final effect may depend on the substrate type. For non-uniform substrates, it is recommended to apply at first the whole surface with **KOMBI** base coat. To avoid colour differences, a single batch product should be used on a single application / architectural element. 'Wet on wet' method should be used. All tools should be cleaned with water after work is completed. To be applied on dry days at temperatures between 5-25°C. Avoid applying in direct sunlight or during strong winds. To protect the fresh coat against inclement weather conditions, scaffolding should be covered with some protective netting or tarpaulin.

\*if a product of EWI system is used, the manufacturer provides a guarantee only when all **KABE THERM RENO** or **KABE THERM ELASTO** or **KABE THERM AVANT** system components are applied.