

ACRYLIC

PERMURO

Acrylic render



MAIN ADVANTAGES

- Resistant to adverse weather conditions
- High impact resistance
- Anti-fungal and algae protection (reduces the growth of algae and fungi)
- Wide range of colours
- Wide selection of textures and grain sizes
- Easy to apply and create patterns

AREAS OF APPLICATION

To be used as manually applied thin-coat renders for external use. Intended for use on mineral substrates (e.g., concrete, cement render, cement-lime render) and on substrates covered with a well-bonded plastic-based paint coating. The PERMURO render is a component of EPS-based EWI systems: **KABE THERM RENO***, **KABE THERM ELASTO***, **KABE THERM AVANT***. The substrate should be primed with **PERMURO GT** before applying the render.

TECHNICAL DATA

Base binder: co-polymer binder;
Pigments: organic and inorganic coloured pigments, resistant to weather conditions;
Colours: natural white and colours according to KABE and NCS colour charts or a sample provided;
Textures: solid, scraped/mixed, modelled and smooth (texture made up of 2 renders: of solid texture with the thickness of 1.5 mm and modelled texture);
Grain size: 1.0 mm; 1.5 mm; 2.0 mm; 2.5 mm; 3.0 mm;
Thinner: water;
Temperature of application (air and substrate): from +5°C to +25°C;
Relative air humidity: < 75%;
Vapour permeability: $S_v = 0.33$ m (cat. V2);
Water absorption: $w = 0.09$ kg/m²·h^{0.5} (cat. W3);
Packaging: Disposable plastic packaging holding 25 kg of the product.
Storage: Product should be stored in original sealed packaging, in a cool room, but protected from frost. Opened packaging should be tightly closed and used as quickly as possible.

Shelf life: 24 months from the date of production printed on the packaging, with originally sealed packaging.

Average coverage (kg/m²):

Texture	Grain size (mm)					
	–	1.0	1.5	2.0	2.5	3.0
SOLID	–	1.8	2.4	3.0	3.7	4.5
SCRAPED/MIXED	–	–	2.3	3.0	3.7	4.5
MODELLED	2.0	–	–	–	–	–
SMOOTH	4.4	–	–	–	–	–

HOW TO USE

SUBSTRATE PREPARATION: Substrate should be sound/stable (without scratches and cracks), degreased, even and dry, as well as free of biological contamination and chemical efflorescence. In case of algae/fungi growth, the substrate should be cleaned mechanically and then washed with water and disinfected with **ALGIZID**. Old and/or dirty substrates should be washed and degreased with water and **CLEANFORCE** cleaning agent. Any loose layers, not bound to the substrate (e.g., loose render or flaked coatings), should be removed. For particularly uneven substrates (from 5 mm to 15 mm), first use levelling compounds, and then level out the wall surface with **KOMBI** adhesive/base coat. Minor unevenness (up to 5 mm) can be levelled out and smoothed straight away with **KOMBI** adhesive/base coat. An absorbent substrate should be primed with **BUDOGRUNT ZG** before applying levelling compounds or base coats. If the acrylic render is applied on new mineral substrates (e.g., concrete, cement render, cement-lime render) – a minimum 4-week curing period is required.

Before using the render in **KABE THERM RENO**, **KABE THERM ELASTO** and **KABE THERM AVANT** EWI systems, all base coats should be applied in accordance with the requirements for external thermal insulation composite system (ETICS). Before applying the acrylic render, the primed reinforcing layer has to be fully set. This can take 3-4 days in typical weather conditions.

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

PRODUCT PREPARATION: The packaging contains a ready-to-use product. If stored for a long time and directly before application, the product should be thoroughly mixed (with a low-speed mixer fitted with a basket stirrer), until a smooth, homogeneous 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 drinking 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, uniform layer of the product to the substrate. Then, use a plastic trowel to create a texture, rubbing the applied compound with circular motions (solid and mixed texture) or longitudinal motions in the vertical or horizontal direction (scraped texture). The modelled texture render should be applied onto a substrate using a stainless steel trowel (1-5 mm thick). To achieve the required texture, use a roller, trowel or sponge. A smooth top coat of the render should be carried out in 2 stages. First apply solid texture render according to the above instruction. Once the previous coat is set, apply the modelled texture render. The modelled render should be rubbed with circular motions to achieve an even surface of the whole top coat.

DRYING: Typical drying time of the render applied to the substrate is approx. 6 h (at +20°C, 55% RH). Complete hardening of render after approx. 48 hours. **Note:** Drying time may be longer, up to several days, due to low temperatures and high relative humidity. The newly applied render should be protected against precipitation and condensation until it is fully hardened.

USEFUL HINTS: The final effect may depend on the substrate type. Therefore, for heterogeneous substrates, it is recommended to first smooth out the entire surface with **KOMBI** adhesive/base coat. In order to avoid colour differences, it is necessary to create a surface constituting a separate architectural whole in one work cycle with material from the same production batch, using the “wet on wet” method. Tools should be cleaned with water immediately after work is completed. The render should be applied and dried on dry days at air temperatures from +5°C to +25°C. Avoid applying in direct sunlight or during strong winds. In order to protect the undried render against severe weather conditions, it is recommended to use appropriate protective meshes or tarpaulins on scaffolds.

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