

ACRYLIC

PERMURO AKORD

Acrylic render for spray application



MAIN ADVANTAGES

- Resistance to adverse atmospheric conditions
- Highly efficient
- Very high adhesion to the substrate
- Additional anti-fungal and algae protection
- Wide range of colours
- Quick and easy application

AREAS OF APPLICATIONS

It is used for spray (mechanical) application of thin coat renders outside buildings including **KABE THERM RENO*** EWI system, based on EPS (excluding the grain size of 1.0 mm). It is especially recommended for large surface areas as well as for the substrates of curved, irregular shapes. It features high coverage capability and quick application. 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. The substrate should be primed with **PERMURO GT** before 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, NCS colour chart or according to samples provided;
Textures: solid/grained;
Grain size: 1.0 mm; 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: $S_d=0.06$ m (cat. V1);
Water absorption: $w=0.10$ kg/m²·h^{0.5} (cat. W3);
Packaging: Single-use plastic packaging of 20 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: Unopened products have a 24-month shelf life from the date of production (this is printed on the side of the packaging).

Minimal coverage (kg/m²):

Texture	Grain size (mm)		
	1.0	1.5	2.0
SOLID/GRAINED	1.5	2.0	2.5

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 smoothed with **KOMBI** base coat. Absorbent substrates should be primed with **BUDOGRUNT ZG** before levelling compounds application. Use the above products according to their technical data sheets. Fresh concrete substrates, cement renders and cement-lime renders may be rendered only after a curing period of at least 4 weeks. All EWI system coats should be applied in accordance with external thermal insulation composite system (ETICS).
PRIMING: The substrate should be primed with **PERMURO GT** before applying the render. Primers should be dry before applying a finish coat, curing period lasts about 24 hours. It is recommended to use a primer that is of the same colour as the finish 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. 0.1 l per 20 kg of the product). Quantity of added water may vary depending on the substrate type, drying conditions and application method.

APPLICATION METHOD: Render should be applied onto the substrate by using a pneumatic spraying device at a working pressure of 3–4 atmospheres and a nozzle diameter of 4–6 mm. While spraying, the gun should be held perpendicularly to the substrate at a distance of 0.5–0.6 m.

Spraying parameters for the device of WAGNER PC15 type:

Manufacturer	Device	Thickness [mm]	Nozzle	Pressure [bar]	Filter [mesh]	Dilution [%]	Usage [kg/min]
WAGNER	Wagner PC15 + compressor	1.0	268 779		none	0	2.0
		1.5	0348 915 or 68 780				
		2.0	0268 780 or 0268 781				

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 top coat against inclement weather conditions, scaffolding should be covered with some protective netting or tarpaulin.

* using the material as a part of the insulation system, the manufacturer provides a guarantee only if all components of the **KABE THERM RENO**