

KABE THERM MW

Complete building insulation system based on mineral wool with external polysilicate **NOVALIT T** render ♦

Main advantages:

- Reduces building heating costs;
- Improves the interior microclimate;
- Attractive façade finish;
- Allows water evaporation;
- Prevents condensation of water vapour inside partitions;
- High resistance of the façade to staining thanks to the “self-cleaning” effect of the façade;
- Mineral nature of render;
- Very good sound insulation properties.

Purpose:

The **KABE THERM MW** insulation system is used, above all, in structures requiring high vapour permeability and resistance to severe water conditions. It is used in residential single- and multi-family, public and industrial buildings, in existing buildings as well as in those under construction up to a height of 25 m (for buildings built before 1 April 1995, up to the height of the eleventh storey). For its application, slabs with facade mineral wool (with disordered fibres) can be used. The system can be used on all typical mineral surfaces (such as: concrete, cement or cement-lime render, sandstone, as well as on raw surfaces made of bricks, blocks, hollow bricks, and other ceramic or lime-sandstone materials of this type), as well as on surfaces coated with an adherent coat of facade paint or thin-coat render. The finishing layer for the system is the low-alkaline polysilicate **NOVALIT T** (pg. 19) render, available in a wide range of colours and textures. The **KABE THERM MW** system is recommended particularly for buildings with walls made of porous materials (such as cellular concrete, slag concrete, or porous bricks). Due to its very good sound insulation properties, it is also well suited for insulating structures situated in areas subjected to high noise pollution.

Technical data:

Type of thermal insulation layer: facade mineral wool panels;

Thickness of thermal insulation layer: from 50 to 150 mm inclusively;

Thermal insulation fixing method: bonding with adhesive and mechanical fasteners;

Application of mechanical fasteners: required (specified in the technical design);

Reinforcing material: glass fibre mesh with a basis weight of 145 or 160 g/m²;

Fire safety class: A2 - s1, d0;

Colours: natural white and colours from the KABE template, and selected colours from the NSC template or according to a supplied template (possible to obtain using non-organic pigments);

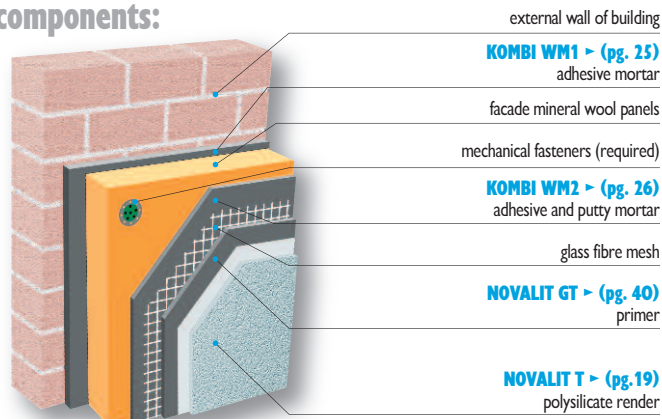
Textures: full, brushed/mixed;

Grain sizes: 1.5 mm; 2.0 mm; 2.5 mm; 3.0 mm;

Coefficient of absorbability of the surface of the external layer: < 0.5 kg/m²;

Relative diffusive resistance of the external layer: ≤ 1.0 m;

System components:



Type of layer	Product name and description	Average consumption
Adhesive layer	KOMBI WM1 > (pg. 25) adhesive mortar - for fixing mineral wool insulating panels to the surface	ca. 5.0 kg/m ²
Thermal insulation layer	Facade mineral wool panels	1.0÷1.10 m ² /m ² of insulation
	Mechanical fasteners (required) - pins for fixing the thermal insulation layer to the surface	type, amount, and placement according to the technical design
Reinforced layer	KOMBI WM2 > (pg. 26) adhesive and putty mortar - for the application of the reinforced layer	ca. 5.0 kg/m ²
	Glass fibre mesh - anti-alkaline impregnated mesh, with its entire surface immersed in the mortar KOMBI WM2 > (pg. 26)	1.10 m ² /m ² of insulation
Finishing layer	Primer NOVALIT GT > (pg. 40) - primer improving adhesion and reducing surface absorption	ca. 0.20 l/m ²
	Thin-coat render compound NOVALIT T > (pg. 19) - protective and decorative layer, protecting the system from severe atmospheric conditions and physical damage; render colour and texture to be selected	grain size 1.5 mm — 2.5 kg/m ² grain size 2.0 mm — 3.0 kg/m ² grain size 2.5 mm — 3.7 kg/m ² grain size 3.0 mm — 4.5 kg/m ²

Note: Due to excessive facade heating for dark colours, we do not recommend using colours with a low coefficient of light reflection (Y<20%).

♦ The manufacturer grants a guarantee only in the case of application of the complete system in accordance with the “Guarantee card for insulation systems”



ETA 10/0322

European Technical Approval

