

FOR EPS AND MINERAL WOOL

KOMBI ELASTO

Dispersion, cement-free base coat for EPS and mineral wool



MAIN ADVANTAGES

- High resistance to mechanical damage (impact resistance)
- Very good flexibility and resistance to scratches
- No run-off from a vertical surface
- High adhesion to EPS and mineral wool
- Easy application
- No primer required under render
- Reinforced with microfibres

AREAS OF APPLICATION

Ready-to-use cement-free base coat for making a reinforcing layer with fibreglass mesh in **KABE THERM ELASTO** EPS-based EWI system and in the **KABE THERM MW ELASTO** EWI system based on mineral wool. The dispersion base coat improves impact resistance and eliminates the necessity to prime the surface before applying Farby KABE renders. It can be used in the technology of external thermal insulation composite system (ETICS).

TECHNICAL DATA

Base binder: acrylic dispersion.

Colour: cream (there is a possibility of tint to match the colour of the grout in the BRICK DECOR system)

Consumption: for systems with one layer of reinforcing mesh approx. 4.0-5.0 kg/m²

Temperature of application (air and substrate): from +10°C to +25°C

Relative air humidity: ≤ 75%

Packaging: Disposable plastic packaging holding 25 kg of the product.

Shelf life and storage conditions: 12 months from the date of manufacture, store in a sealed packaging, in a cool room protected from freezing.

Impact resistance for EPS-based system:

- | | |
|---|---------|
| • for system with single mesh layer and top coat | cat. I |
| – PERMURO-BRICK DECOR | |
| – PERMURO-ARCHITECTURAL CONCRETE DECOR | |
| – ARMASIL T-BRICK DECOR | |
| – ARMASIL T-ARCHITECTURAL CONCRETE DECOR | |
| • for system with single mesh layer (KABE 165 and KABE 175) with top coat | cat. I |
| – PERMURO | |
| – ARMASIL T | |
| • for system with double mesh layer and top coat | cat. I |
| – PERMURO AVANT | |
| – ARMASIL T | |
| • for system with single mesh layer (KABE 145) and top coat | cat. II |
| – PERMURO | |
| – PERMURO AVANT | |
| – ARMASIL T | |

Impact resistance for the system with mineral wool:

(all types of finishing layer with 1 layer of reinforcing mesh: KABE 145) cat. I

Adhesion of the reinforcing layer to thermal insulation: ≥ 0.08 MPa

HOW TO USE

SUBSTRATE PREPARATION: The substrate for the reinforcing layer (fixed EPS or mineral wool boards) must be sound/stable, dedusted, even and dry, as well as free of anti-adhesive substances. The substrate must be protected against capillary moisture intake and precipitation water. Any loose layers, not bound to the substrate, should be removed. The base coats of the system should be performed in accordance with the technology of the External Thermal Insulation Composite Systems for buildings (ETICS).

PRODUCT PREPARATION: Stir thoroughly directly before application, if necessary dilute with water (using max. 0.2 l per 20 kg of the product).

APPLYING THE REINFORCED LAYER: In case of applying a reinforced layer on mineral wool boards, it is necessary to first smooth out the outer surface of these boards with **KOMBI ELASTO** base coat. Then, the edges of window and door openings should be reinforced by fixing to their corners diagonally (i.e., at a 45° angle) fibreglass mesh (with the dimensions 25 x 30 cm) using the **KOMBI ELASTO** base coat. The reinforced layer can be applied on even, cleaned (previously sanded) surfaces of EPS or mineral wool boards, not earlier than 3 days from the date of board installation. Apply a continuous and even layer of the base coat onto the substrate with a notched trowel with a notch size of 6-8 mm, covering the whole width of the reinforcing mesh. Then, immediately embed the fibreglass mesh into the applied layer. The reinforcing mesh should be evenly stretched and completely immersed in the coat. After embedding the mesh, the entire layer surface should be carefully levelled, using an additional portion of coat, if necessary. The neighbouring mesh stripes must be glued with an overlap of at least 10 cm. If it is necessary to additionally smooth out any unevenness of the reinforced layer, it should be smoothed as soon as possible with a thin layer of **KOMBI ELASTO** base coat. The thickness of the layer reinforced with one mesh layer in an EPS-based system is from 3 to 5 mm, while in an insulation system based on mineral wool it is from 4 to 6 mm.

DRYING: The drying time for the reinforced layer is min. 3 days (drying at +20°C and at a relative air humidity of 65%). Until the adhesive hardens, protect the layer against precipitation and moisture condensation. **Note:** Drying time may be longer, up to several days, due to low air temperatures and high humidity.

USEFUL HINTS: In order to avoid cracks and unevenness, it is necessary to complete a single application to any architectural element in one working cycle. The base coat should be applied and dried on dry days at temperatures between +10°C and +25°C. Wash tools with water immediately after finishing work. Avoid working on surfaces directly exposed to sunlight, as well as in strong winds and at high air humidity. In order to protect the undried reinforced layer against severe weather conditions, it is recommended to use appropriate protective meshes or tarpaulins on scaffolds. During the period of increased air humidity, i.e. early spring and late autumn, it is recommended to use **KOMBI** or **KOMBI WM2** mineral adhesive/base coat.

Do not use on surfaces not protected against capillary action and exposed to water and precipitation. **Note:** If mechanical fixings with discs embedded in EPS are used, all EPS caps should be installed in the hole (glued) with **KOMBI RAPID** polyurethane adhesive. Failure to follow this recommendation may result in local bulging in the places, where fixings and the unglued EPS caps are used. If mechanical fixings with discs embedded in mineral wool layer are used, all caps made of mineral wool should be installed in the hole (glued) with **KOMBI WM2** adhesive/base coat.

* The manufacturer provides a warranty if all **KABE THERM ELASTO** or **KABE THERM MW ELASTO** system components are used.