

RENOVATING (WALLS WITH SALT EFFLORESCENCE)

MINERALIT RESTAURO TB

Renovation cement key coat



MAIN ADVANTAGES

- For the renovation of walls with efflorescence and moisture
- High adhesion to all typical construction substrates and difficult substrates
- Reduced drying time
- Easy processing

AREAS OF APPLICATIONS

It is used for manual performance of bonding layer while renovating saline walls with **MINERALIT RESTAURO** products. It is intended for strengthening and/or reducing substrate water absorbency on walls subject to renovation inside and outside building. It characterizes with short setting time and high adhesion for difficult substrates. It is especially recommended for renovation of historical objects but it may also be applied for the purposes of performance of cement key coat in traditional multi-layer top coats.

TECHNICAL SPECIFICATION

Base binder: a mixture of hydraulic binders;
Aggregate thickness: ≤ 4 mm;
Volumetric density: approx. 1.49 g/cm³;
Mixing ratio: ca. 5.0-5.5 l of water per 25 kg of mortar;
Shelf life after adding water: ca. 0.5 hour;
Open time: 15 minutes;
Colour: light grey;
Consumption: ca. 5.0 kg/m²;
Usage: out of one 25 kg bag we can achieve ca. 18 litres of ready-to-use mortar after adding the required amount of water;
Mortar type according to PN-EN 998-1: GP (general purpose)
Compressive strength: cat. CS IV;
Water absorption: cat. W₀;

Adhesion: ≥ 0.2 N/mm² - FP: B or C;
Water vapour permeability coefficient μ : ≤ 12 ;
Heat conductivity coefficient: $\lambda \leq 0.47$ W/m*K for P=50%, $\lambda \leq 0.54$ W/m*K for P=90%;
Reaction to fire: class A1;
Temperature of application (air and substrate): from +5°C to +25°C;
Packaging: Disposable paper packaging containing 25 kg of product.
Storage: The product should be stored in its original sealed packaging, in a dry room, and should be protected from moisture and frost.
Note: The product must be kept out of the reach of children.
Shelf life: 12-month shelf life from the date of production (this is printed on the side of the packaging), provided that the storage conditions are observed. It is recommended to use the product within 6 months.

APPLICATION METHOD

SUBSTRATE PREPARATION: Apply to a sound/stable substrate (without scratches and cracks), degreased and dry. Present old or damaged render should be completely removed within 80 cm from the moisture border or saline efflorescence. The wall to be thoroughly clean with a wire brush. Any loose layers not bound to the substrate (i.e. loose render or flaked coatings) or substances which reduce adhesion should be removed. Old and/or dirty substrates should be washed off and degreased with water and **CLEANFORCE** cleaning agent. Corroded and saline joints to be removed to the depth of at least 2 cm. The removed render containing saline to be immediately eliminated. Very absorbent substrates before applying key coat should be moisturised with water.

KEY COAT PREPARATION: Pour the contents of the packaging into a container with a measured amount of clean and cold water (5.0÷5.5 l per 25 kg of mortar) and thoroughly continuously mix (with a low-speed mixer fitted with a basket stirrer) until homogeneous mixture is obtained. Then, leave the mortar for ca. 5 minutes to mature. Before application, the product should be mixed again. Depending on the temperature and air humidity, the ready to apply product may be used for ca. 0.5 hours. **Note:** Both too long and too intensive mixing may lead to excessive air entrainment of the mortar and, consequently, lowering its strength parameters.

APPLICATION: Prepared mortar should be applied onto the substrate at a thickness of grain size by using a steel trowel. The key coat should cover not more than 50% of the substrate surface and then it should be left for setting.

Note: The product is alkaline, therefore, it is necessary to protect eyes and skin. Safety clothes should be worn while carrying out works. In case of contact with eyes, immediately rinse them thoroughly with plenty of water. If irritation develops, seek medical assistance.

DRYING: The applied key coat (while drying at the temperature of +20°C and air relative humidity of 65%) may be processed further on after ca. 12 hours. **Note:** Setting time may be longer even up to a few days due to low temperatures and high relative humidity. Protect the fresh key coat against precipitation until complete setting and binding is obtained.

USEFUL HINTS: Application and binding of key coat requires dry days and temperatures between +5 and +25°C and the substrate temperature above +5°C. Application during direct sun exposure or in strong winds is not recommended. To protect unset key coat against inclement weather conditions, scaffolding should be covered with some protective netting. All tools should be cleaned with water after work is completed.