

MOULDING

KOMBI STONE

A coarse-grain moulding mortar for making drawn facade mouldings



MAIN ADVANTAGES

- Fast setting
- Hydrophobic
- Easy to apply and process
- Reinforced with microfibres - limited shrinkage and tensions during drying

AREAS OF APPLICATIONS

A coarse-grain, fast-setting mortar for making mouldings, cornices, rustication and bossages on the facade. The mortar is intended for internal and external applications. **Note:** The KOMBI STONE mortar is not suitable for use in moulding work on EWI systems. In such applications EPS profiles should be used. KOMBI STONE does not include components inducing chloride corrosion.

TECHNICAL SPECIFICATION

Composition: mix of cements, mineral fillers and modifiers

Temperature of application (air and substrate): from +5°C to +30°C

Colour: beige

Grain size: up to 1.2 mm

After adding water the product must be used within: approx. 20 minutes.

Setting time: ca. 2 hours (at an air temp. 20°C, RH 65%) **Note:** Do not reuse dried mortar by adding water or mix with fresh mortar.

Mixing ratio: ca. 5.0 l of water per 25 kg of dry mortar

Gross dry density of hardened mortar: ca. 1 570 kg/m³

Range of compressive strength: CS IV;

Adhesion to substrate: ≥ 0.3 N/mm²;

Water absorption due to capillary action for 24 h: ≤ 0.9 kg/m²;

Water vapour permeability coefficient μ : ≤ 34

Packaging: Disposable paper packaging containing 25 kg of the product.

Storage: The product should be stored in its original sealed packaging, in dry rooms, on pallets, at a temperature ranging from +5°C to +25°C. Protect against moisture.

Shelf life: 6 months from the date of manufacture provided on packaging.

APPLICATION METHOD

SUBSTRATE PREPARATION: Check the substrate condition - it should be sound, stable, even, dry and free from biological or chemical efflorescence. In case of algae and/or fungal growth apply **ALGIZID** agent. 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. dirty, dust, loose renders or flaked coatings) should be removed. If there is any large unevenness to the substrate, use a levelling compound. Absorbent substrates should be primed with **BUDOGRUNT ZG/WG** before applying the mortar. Typical setting time ca. 3 h under optimum conditions (+20°C, 55% RH).

MORTAR REPAIRATION AND APPLICATION: Pour the contents of the bag into a container with a measured amount of clean and cold water approx. 5.0 l per 25 kg of mortar and thoroughly mix (with a low-speed mixer fitted with a basket stirrer) until homogeneous mixture is obtained. **Note:** Both too long and too intensive mixing can lead to excessive aeration of the mortar and, as a consequence, to lowering its strength parameters. Once the mixing is completed, apply a contact layer, then depending on profile thickness, apply one or a few layers and trowel it with a mould. Allow the layer to harden sufficiently before applying another layer. Once the last layer is hardened, trowel it "corse" to remove any material from the mould.

When using significantly thick and long moulds, it is recommended to make the profile stronger by using a reinforcement.

USEFUL HINTS: Application and binding of mortar requires dry days and air and substrate temperature within a range +5°C to +30°C. Avoid working on surfaces directly exposed to sunlight and strong winds. To protect fresh mortar against inclement weather conditions, scaffolding should be covered with some protective netting or tarpaulins. All tools should be cleaned with warm water after finishing work. The manufacture bears no responsibility for using the product without observing its intended application and instructions provided on the packaging. The exposed parts of the profile on the upper side should be shaped so that the slope of the surface facilitates water drainage. The prepared profile requires seasoning before painting, assuming one day of drying for each 1 mm of profile thickness (for drying at a temperature of +20 °C and relative air humidity of 65%). The profiles should be covered with a highly diffusion paint coat using **CALSILIT F** or **NOVALIT F** or **ARMASIL F** paints.