

MOULDING

# KOMBI STUCCO

A mortar for mouldings



## MAIN ADVANTAGES

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

## AREAS OF APPLICATION

KOMBI STUCCO is a quick-setting mortar for making small size casts/mouldings. The quick-setting properties make it possible to remove casts from moulds already after 1.5-2.0 hours. The mortar can be used both inside and outside buildings. **Note:** The KOMBI STUCCO mortars should not be used to make parts featuring significant difference in thickness. The mortar is not suitable for use in moulding work on EWI systems. In such applications, EPS profiles should be used. KOMBI STUCCO does not include components that induce chloride corrosion. **Note:** We recommend strengthening the cross-section with reinforcing bars in case of large-size castings or with large changes in thickness.

## TECHNICAL DATA

**Composition:** mix of cements, mineral fillers and modifiers;

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

**Colour:** white;

**Grain size:** up to 0.8 mm;

**After adding water, the product must be used within:** approx. 10-15 minutes;

**Setting time:** approx. 1.5-2 hours (at air temperature 20°C, relative air humidity 65%);

**Note:** Do not reuse dried mortar by adding water or mixing with fresh mortar.

**Mixing ratio:** approx. 8.0 l of water per 25 kg of dry mortar;

**Gross dry density:** approx. 1450 kg/m<sup>3</sup>;

**Compressive strength range:** cat. CS IV;

**Adhesion to substrate:**  $\geq 0.2$  N/mm<sup>2</sup>;

**Water absorption due to capillary action:** cat. W0;

**Water vapour permeability coefficient:**  $\mu \leq 20$

**Packaging:** Disposable paper packaging containing 25 kg of product

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

**Shelf life:** up to 6 months from the date of production provided on the packaging.

## HOW TO USE

**SUBSTRATE PREPARATION:** Check the condition of the substrate, the casts are to be installed on – it should be sound, stable, even, dry and free of biological or chemical efflorescence. In case of algae and/or fungal growth apply the ALGIZID agent. Old and/or dirty substrates should be washed and degreased with water and CLEANFORCE cleaning agent. Any loose layers, not bound to the substrate, e.g., dust, loose render or flaked coatings, should be removed. If there is any large unevenness to the substrate, first use a levelling compound. Absorbent substrates should be primed with BUDOGRUNT ZG/WG before applying the mortar. Setting time for the product applied on a substrate is about 3 hours under optimum weather conditions (temperature +20°C and relative humidity of 55%).

**MORTAR PREPARATION AND APPLICATION:** Pour the contents of the bag into a container with a measured amount of clean and cold water: approx. 8.0 l per 25 kg of mortar, and thoroughly mix (with a low-speed mixer/drill fitted with a basket stirrer) until homogeneous, lump-free mixture is obtained, and immediately pour into the mould. **Note:** Both too long and too intensive mixing may lead to excessive aeration of the mortar and, consequently, lowering its strength parameters. Add water to such an amount of material to be used within 5-10 minutes. Remove immediately any excess material and dirt. It is recommended, if possible, to concentrate the mortar in the mould by vibrating it. By vibrating and slightly knocking the mould around, it is possible to remove any air bubbles from the compound.

After about 1.5-2 hours, remove the cast from the mould to allow it to dry evenly. To allow for drying from all sides, the casts should be stored on wooden grates.

**USEFUL HINTS:** Do not accelerate the drying process by exposure to sunlight or wind. It is recommended to provide additional mechanical fixing of the profiles to the substrate. Tools should be cleaned with warm water immediately after work is completed. The manufacturer is not responsible for using the product contrary to its intended use or the instructions provided on the packaging.

The prepared cast requires curing before painting, assuming one day of drying for each 1 mm of cast thickness (drying at a temperature of +20°C and relative air humidity of 65%). Casts should be covered with a highly diffusive paint coating, using CALSILIT F, NOVALIT F or ARMASIL F paint.