



WHITE MINERAL-SYNTHETIC MORTAR

for patching walls and ceilings, intended for indoor and outdoor use

S10

KLEIB S10 is a mortar for patching horizontal and vertical surfaces, indoors and outdoors. Thanks to its properties, KLEIB S10 is particularly suitable for patching and finishing walls and ceilings, and for filling floor cavities. It is especially recommended for finishing works after the installation of windows and doors while "felt trowelling" surfaces. KLEIB S10 is mainly used for repairing traditional cement-lime plasters, outdoors and indoors, with a coat between 1 and 10 mm thick.

- excellent adhesion and elasticity
- reinforced with micro-fibre
- does not contain lime
- resistant to weather conditions, frost-proof
- vapour-permeable

packaging	pieces per pallet	consumption
25 kg	54	approx. 1,5 kg/m ²

Technical specification

Mixture proportions

0,23 ÷ 0,25 l of water per 1 kg of mortar
5,75 ÷ 6,25 l of water per 25 kg of mortar

Total work time

up to 2 hours

Temperature of mortar preparation

from +5°C to +25°C

Temperature of the surface and ambient temperature during the works

from +5°C to +25°C

Minimum thickness of mortar layer

1 mm

Maximum thickness of mortar layer

10 mm

Gross density in dry state

1420 kg/m³ ± 55

Compressive strength after 28 days of storage

Category CS IV

Adhesion to concrete surface

0,6 N/mm² - FP: A

Water absorption

Category W2

Water permeability

≤ 1 ml/cm² after 48 h

properties

KLEIB S10 is a dry mineral mixture based on high-quality white Portland cement and powder polymer dispersion, which guarantees excellent adhesion and elasticity. It is reinforced with micro-fibre, which ensures effective application and resistance to cracking. KLEIB S10 does not contain lime and, therefore, the mortar is not susceptible to efflorescence! It is frost-proof and resistant to weather conditions, and highly vapour-permeable.

substrate preparation

KLEIB S10 can be applied to concrete, ceramic or aerated concrete substrates. The substrate should be even, solid, dry and free from any dirt decreasing the mortar's adhesion, especially dust, lime, grease or remnants of old peeling paint coats. Before applying the mortar, prime the substrate with the KLEIB G1 primer. Prime the peeling substrate with KLEIB G2 to achieve sufficient load-bearing capacity. Cement load-bearing substrates do not require priming.

application

Fill a clean vessel with approx. 5.5 to 6.5 litres of water per 25 kg of dry mortar. Pour the bag's content into the bucket while stirring the water. Use a drill equipped with a mixer bit, until the consistency of the mixture is homogenous and lump-free. The mortar is suitable for application after approx. 5 minutes once mixed. Use within 2 hours. Alter the mortar consistency with water, depending on the type of works performed (higher viscosity for filling cavities, lower viscosity while finish trowelling). Before applying the trowel mortar, the substrate should be damp, but not wet. Apply KLEIB S10 with a steel float, smoothing its surface until it is even. This smoothed surface can be slightly trowelled with a damp felt float for maximum evenness. The interval between the mortar application and trowelling depends on the substrate absorptiveness, air temperature/humidity and trowel mortar viscosity. Secure skimmed surfaces outdoors against direct sunlight and precipitation. Indoor facilities should be ventilated to let the water vapour escape. Skimmed surfaces can be painted with KLEIB paints 2 to 6 weeks after skimming, depending on the air temperature and humidity.

consumption

The average amount of the patching mortar used, if the coat is 1 mm thick, is approx. 1.5 kg per 1 m².

Tools

Wash the tools, steel float, felt float, mixer drill bit. etc. with cold water immediately after use.

storage and transportation

Store the mortar in original, tightly sealed containers, in dry rooms and on pallets. The shelf life of the product is 12 months. KLEIB S10 contains cement. Use sufficient eye, respiratory tract and skin protection, according to the MSDS. Keep out of the reach of children. Do not inhale the dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, immediately seek medical advice, and take the packaging or the label.

Technical specification

Water vapour permeability coefficient (μ)	≤ 12
Heat transition coefficient (tabular value for P = 50%)	0,44 W/m·K
Durability	Frost resistant
Reaction to fire (Class)	F

KLEIB
PROFESSIONAL

Declaration of Performance no.: S10/2016