

# KP-Kleber adhesive

Thin-layer masonry mortar for the gluing of CALSITHERM KLIMAPLATTE boards

## Technical data

Building material class (DIN 4102):	A1, non-combustible
Tensile bond strength:	0.5 MPa
Bulk density:	approx. 1,400 kg/m <sup>3</sup>
Thermal conductivity ( $\lambda$ ):	approx. 0.92 W/(m . k)
Water vapour diffusion resistance index):	$\mu = 38$

## Product description

CALSITHERM KP-Kleber adhesive is a high-quality thin-layer masonry mortar for the gluing of CALSITHERM KLIMAPLATTE boards and specially shaped blanks. It is a factory-mixed, hydraulically setting dry mortar to DIN 1164 with high-value, conditioned fillers and special additives.

CALSITHERM KP-Kleber adhesive is an adhesive mortar, which is ready for use after mixing with water and which cures hydraulically.

- Form of delivery: 25 kg paper sack
- Colour: grey
- Temperature for working: ab +5 °C
- Pot life: maximal 2 h
- Open time: maximum 10 minutes (depends on temperature)
- Follow-up operations: after approx. 12 hours (depends on temperature)
- Suitable for walls and ceilings indoors
- Easy, ductile and rapid working
- High resistance to slipping and good adhesion to the substrate
- Resistant to water, heat and frost after curing

CALSITHERM KP-Kleber adhesive can be used on all mineral wall construction materials and substrates suitable for plastering such as masonry of construction materials with hydraulically curing binders to DIN 1164 as well as masonry with natural, standardized construction materials or ones which hold general construction supervision approval to DIN 1053 (e.g. gas concrete, common bricks, sand-lime bricks, concrete to DIN 1045 and load-bearing plasters which do not contain gypsum).

## Preparation

Old wallpapers and coats of paint as well as substrates containing gypsum and/or which are not firm are to be removed. Infestations of mould are to be eliminated by professional remediation measures. Firm, load-bearing lime or lime-cement plasters are suitable substrates. The substrate must possess an adequate tensile bond strength. Damaged points are best repaired with CALSITHERM KP-Innenputz plaster. Constructional defects and moisture which gets in as a result of these (e.g. rising damp or driving rain) are to be eliminated in advance by suitable measures.

Strongly absorbing substrates are to be prewetted. The substrate may be moist but not wet.

The given quality of water (see label on the sack) is put into a clean vessel and the 25 kg of CALSITHERM KP-Kleber adhesive is added. Carry out mixing for at least 3 minutes until the consistency is right for application and there are no lumps. A suitable mixer is to be used for the stirring. Part quantities may be mixed whereby the same ratio is to be maintained.

CALSITHERM KP-Kleber adhesive is ready for use immediately after mixing.

Not more KP-Kleber adhesive should be mixed than can be used in approx. 2 hours. The bed of adhesive may not be more than 8 mm thick. The back of the KLIMAPLATTE boards may be prewetted if necessary.

Apply the freshly mixed CALSITHERM KP-Kleber adhesive to the wall horizontally with a toothed trowel ( $\geq 10$  mm teeth) whereby it should be applied in each case only for the area for one board. The CALSITHERM KLIMAPLATTE boards are to be glued without cavities over their full surface with KP-Kleber adhesive (see the pages on CALSITHERM KLIMAPLATTE boards).

Application may not be carried out when the temperature of the air or the substrate is less than  $+ 5$  °C. The KP-Kleber adhesive must be protected against frost and draughts until it has cured fully. KP-Kleber adhesive which has hardened or become stiff cannot be made workable again with water.

Tools and equipment should be cleaned immediately after use with clean water.

Approx. 3.5 - 4.0 kg/m<sup>2</sup> are needed on a smooth substrate.

KP-Kleber adhesive is supplied in 25 kg paper sacks. These are to be stored dry and protected against frost on wooden grates. The storage time should not exceed 9 months.

## Processing

## Consumption

## Delivery / storage

## Ecological Building Systems

For stockist information and full technical support for your project, please contact Ecological Building Systems or visit: [EcologicalBuildingSystems.com](http://EcologicalBuildingSystems.com)

