


EN

ADHESIVE MORTAR

- High yield
- Vapour permeable
- Increased adhesion and very high degree of resilience

KLEiB C1W is part of a set of products used in the KLEiB W thermal insulation system for buildings.



Thermal insulation system based on mineral wool

USE

KLEiB C1W is an adhesive cement mortar intended for attaching mineral wool panels in the KLEiB W thermal insulation system. It is suitable for attaching mineral wool panels on all typical, structurally sound and even mineral substrates (concrete, plaster, walls made of bricks, hollow bricks, stone elements etc.).

WORKING SURFACE PREPARATION

The working surface should be stable, even and structurally sound i.e. strong enough, and free from any layers that might weaken the mortar adhesion, in particular dust, dirt, lime, oil, grease, wax or remains of emulsion and oil paint. Prior to commencing work, the surface should be cleaned and primed where it is too absorbent. Priming is also required where the working surfaces are for instance weaker cement and cement-lime plasters, as well as when walls are made of autoclaved aerated concrete elements or breeze blocks. For this works KLEiB G1 primer should be applied. Larger irregularities, unevenness and cavities should be filled using an appropriate mortar. In the event of doubt as to structural soundness, a prior adhesion test is recommended.

MIXING THE MORTAR

The mortar is prepared by pouring the entire contents of the bag into a container with a measured amount of water and mixing until a smooth, lump-free and uniform consistency is obtained. The mortar is ready to use after 5 minutes and after remixing. Prepare portions that are to be used within approx. 2 hours.

INSTRUCTIONS FOR USE

For bonding mineral wool panels on even working surfaces, it is advisable to apply the mortar on the entire surface of the insulation panels and spread it with a notched plasterer's float. In case of an uneven working surface, the mortar should be applied on the panel in the form of thick layers along its edges, at the distance of approx. 3 cm from the edge, along with 3 to 6 patches of mortar uniformly distributed on the rest of the panel surface. As a result a min. 60% of the panel surface must be sufficiently adhered to the working surface. Panels should be tightly placed side by side starting from the base of the façade – from the starter strip. Vertical joining of panels should maintain a staggered arrangement. Panels should be applied so as to form a flat surface. Further work, i.e. any use of suitable mechanical fasteners (according to the technical design), or forming of a mesh-reinforced layer, can be performed **no earlier than 72 hours after** the insulation is applied (depending on humidity and temperature conditions). Avoid working in direct sunlight, rain or strong winds. The use of safety nets on scaffolding is recommended. Tools should be washed with water immediately after use.

USAGE

Approx. 4.5-6.5 kg/m² for attaching panels.

STORAGE AND TRANSPORT

The mortar must be transported and stored in tightly sealed bags, in dry conditions. Protect from dampness. Shelf life in conditions that comply with the specified requirements is 12 months from the production date on the packaging.

TECHNICAL SPECIFICATIONS

Mixing ratio	0.20-0.22 litres of water per 1 kg of mortar
	5.0-5.5 litres of water per 25 kg of mortar
Working surface temperature and ambient temperature during work	from +5°C to +25°C

C1W	net weight	pieces per pallet	consumption
		25 kg	54