

EN

ADHESIVE MORTAR

KLEiB[®]
 PROFESSIONAL


- high yield
- easily workable
- increased adhesion and very high degree of flexibility
- for white and graphite polystyrene

KLEiB C1 is an element of the external thermal insulation composite system with rendering (ETICS) marketed under the trade name KLEiB.

EPS
XPS
**Thermal insulation system
 based on polystyrene**

USE

KLEiB C1 is an adhesive cement mortar designed to attach polystyrene sheets to a substrate in the KLEiB system. It is also suitable for applying on all typical, structurally sound and even mineral substrates such as concretes, renders, brickwork, hollow blockwork, 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's adhesion, in particular dust, dirt, lime, oil, grease, wax, or remains of emulsion and oil paint. If the surface is too absorbent, it should be cleaned and primed. For this works it is best to apply KLEiB G1 primer.

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 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 polystyrene sheets on even surface, it is advisable to apply the mortar on the entire surface of the insulation sheets and spread it with a notched plasterer's float. In case of an uneven working surface, the mortar should be applied to the sheet in the form of thick layers along its edges, at the distance of approx. 5 cm from the edge, along with 3 to 6 patches of mortar uniformly distributed on the rest of the sheet's surface. As a result a min. 60% of the surface must be sufficiently adhered to the working surface. Vertical connection of the sheets should be maintained in a staggered arrangement. Further work, i.e. any use of suitable fasteners, grinding of uneven surfaces of sheets, or the application of a reinforced layer can be performed no earlier than after 72 hours. The use of protective nets on scaffolding is recommended. Tools should be washed with water immediately after use.

USAGE

Approximately 4.0-5.0 kg/m².

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	0.18-0.20 litres of water per 1 kg of mortar
	4.50-5.00 litres of water per 25 kg of mortar
Working surface temperature and ambient temperature during work	between +5°C and +25°C

C1	net weight	pieces per pallet	consumption
		25 kg	54