

KLEIB PROFESSIONAL C2W adhesive mortar

ADHESIVE MORTAR USED FOR ATTACHING MINERAL WOOL BOARDS AND MAKING REINFORCED LAYERS ON THEIR SURFACES IN THE KLEIB W BUILDING INSULATION SYSTEM

KLEIB PROFESSIONAL C2W is part of a product set used for the KLEIB W building insulation system.

USE

KLEIB PROFESSIONAL C2W is used for attaching mineral wool boards and making reinforced layers on their surfaces in the KLEIB W insulation system.

SUBSTRATE PREPARATION

The substrate should be stable, flat and solid (i.e. sufficiently strong and purified of any layers that could weaken the mortar's adhesion).

MORTAR PREPARATION

Prepare the mortar by pouring the contents of the bag to a container with an adequate amount of water and stirring the mixture until the resulting mass is uniform and smooth. The product will be ready for use after mixing it once more after 5 minutes.

APPLICATION

The mortar should be applied to the entire surface of the boards. A minimum of 60% of each board's surface should be firmly attached to the substrate. Place the boards very close to each other, starting from the bottom. Their vertical joints should be staggered. Further work can be done no sooner than after 72 hours.

In order to make a reinforced layer on the surface of the attached boards, apply a thin layer of mortar and, after it has initially set, apply a second layer that is approx. 3 mm thick and embed a glass fiber mesh in it. Even out and smoothen the surface with a subsequent layer, so that the mesh is completely invisible. Connect the strips of mesh, overlapping them on each other by at least 10 cm. Priming with KLEIB PROFESSIONAL C3 or KLEIB PROFESSIONAL C3S can be started no sooner than after 72 hours.

PRODUCT CONSUMPTION

Approximate consumption is as follows:

- for attaching mineral wool boards: 4.5 - 6.5 kg/m²,
- for making reinforced layers: 5.5 - 6.5 kg/m².

STORAGE

Store in airtight bags in dry conditions for a maximum of 12 months after the production date found on the label.

TECHNICAL SPECIFICATION

Proportions of the mixture	0.18 ÷ 0.20 l of water per 1 kg of mortar	
	4.50 ÷ 5.00 l of water per 25 kg of mortar	
Bulk density	1.56 kg/dm ³ ± 10%	
Percentage of ash in 450°C	99.2 ÷ 99.6 [%]	
Adhesion to concrete	In air-dry state	≥ 0.25 MPa
	After 24 hours of immersing in water and 2 hours of drying	≥ 0.08 MPa
	After 48 hours of immersing in water and 7 days of drying	≥ 0.25 MPa
Adhesion to mineral wool boards	In air-dry state	≥ 0.10 MPa
Resistance to shrinkage cracks	No cracks in layers up to 5 mm thick	
Mortar preparation temperature	Between +5°C and +25°C	
Surface and ambient temperature	Between +5°C and +25°C	

This product is compliant with Technical Approval no. AT-15-8895/2013

This product is approved by the National Institute of Hygiene

MANUFACTURER

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5908272625240



Certifying authority that participated in the evaluation of conformity:

Building Research Institute
Filtrowa 1
00-611 Warsaw

National Declaration of Conformity no.

The name KLEIB C is restricted.

Produced in the following plant:

KLEIB Sp. z o.o.
Kolejowa 15 - 17
87-880 Brześć Kujawski

Production date:

