

EN**KLEIB PROFESSIONAL C2B**

KLEIB PROFESSIONAL C2B white adhesive mortar used for attaching expanded polystyrene boards and embedding reinforcing mesh is part of a product set used for the KLEIB building insulation system in compliance with Technical Approval no. AT-15-8239/2013 issued by the Building Research Institute in Warsaw.

USE: KLEIB PROFESSIONAL C2B is used for making reinforced layers in the KLEIB building insulation system. It is also intended for attaching expanded polystyrene boards. **SUBSTRATE PREPARATION:** The surface of the expanded polystyrene boards should be even, clean and stable (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 mortar will be ready for use after mixing it once more after 5 minutes. **APPLICATION:** In order to attach the expanded polystyrene boards, the mortar should be applied evenly on the surface of the insulation boards. A minimum of 60% of their surface should be firmly attached to the substrate. The boards must be leveled evenly and they should be placed in such a way that their vertical joints are 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 expanded polystyrene boards, load a layer of mortar with a thickness of at least 3 mm and embed a glass fiber mesh in it. Next, skim coat the mortar evenly, so that the mesh is completely invisible and there is no direct contact between it and the expanded polystyrene boards. Connect the strips of mesh, overlapping them on each other by at least 10 cm. Avoid direct contact of the surface with sunlight, rain or strong winds during work. The reinforcing layer can be primed no sooner than after 72 hours. **PRODUCT CONSUMPTION:** For reinforced layers approx. 3 - 4 kg/m². For attaching boards approx. 4 - 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. **National Declaration of Conformity no. ... Certifying authority that participated in the evaluation of conformity: Building Research Institute Filtrowa 1, 00-611 Warsaw.**

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		1.64 kg/dm ³ ± 10%
Percentage of ash in 450°C		99.0 ÷ 99.4[%]
Resistance to shrinkage cracks		no cracks in layers up to 5 mm thick
Adhesion to concrete	in air-dry state	≥ 0.25 MPa
	after 48 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 polystyrene	in air-dry state	≥ 0.08 MPa
	after 48 hours of immersing in water and 2 hours of drying	≥ 0.03 MPa
	after 48 hours of immersing in water and 7 days of drying	≥ 0.08 MPa
Mortar preparation temperature		Between +5°C and +25°C

Surface and ambient temperature during application

Between +5°C and +25°C