



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



CR 500 ISOBLOCK 0-2

MEDIUM-GRAINED ADHESIVE
LEVELLING GROUT FOR
INSULATING BLOCKS



PRODUCT

Cement-based adhesive mortar specific for discontinuous and thin-bed binding of insulating blocks. It can be used as "float" levelling grout.

CHARACTERISTICS

Easy, fast and cheap to use, it has excellent adhesion to substrates, mechanical resistance and high yields.

It allows applications with reduced thicknesses, especially in bands, disposed longitudinally on the block's surface, significantly contributing to the elimination or to the reduction of the thermal bridges.

APPLICATION FIELDS

Construction of single-layer masonry and subsequent levelling of thermal blocks.

SUBSTRATES

Insulating blocks, brick masonries, thermo-bricks, mixed or of stone; concrete, old and new plaster, tuff.

CONSUMPTION

- As mortar:: 2,0 - 3,0 kg/sqm;
- As levelling grout: 1,3 kg/sqm per mm of thickness according to the substrate.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

The construction of walls and of single-layer walls with insulating blocks must be carried out with specific cement based mortar such as CR 510 Isoblock 0-2, by Edilcol Italia, to be mixed with water having a compressive strength ≥ 15 N / sqmm after 28 days.

PREPARATION

- Check that the blocks to be assembled are clean and free of dust.
- Mix a bag of CR 510 Isoblock 0-2 with about 5,0 liters of water, either manually or with a mixer at a low numbers of turns, until obtaining a homogeneous and plastic mixture.
- Let it rest for about 10 minutes and stir it again briefly before applying the product.

APPLICATION

- After checking the weights and the alignments, apply the product at bands, alternating the surfaces with and without mortar, with a maximum thickness of 4 mm.
- Once hardened, remove the excess of mortar.

RECOMMENDATIONS

Keep the masonry clean as much as possible during the application.

Avoid the outdoor application in hot or very windy days, on substrates during frozen or thawing phase, with frost risk in the next 24 hours and at temperatures below of +5 °C or higher than +35 °C.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be greatly modified by the conditions of installation.

DATI TECNICI

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Appearance:	grey, white powder	
Composition:	cement, selected aggregates, resins, additives	
Granulometry:	≤ 1,5 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 20 %	
Bulk density of fresh mortar:	≈ 1,8 Kg/l	(EN 1015-6)
Bulk density of the dried mortar:	≈ 1,6 Kg/l	(EN 1015-10)
Pot life:	> 2 hours	
Mortar thickness:	3 - 4 mm	
Compressive strength:	≥ 20 N/sqmm	(EN 1015-11)
Flexural strength:	≥ 7,0 N/sqmm	(EN 1015-11)
Initial shear strength:	≥ 0,4 N/sqmm	(EN 1052-3)
Adhesion - FP:	≥ 1,2 N/sqmm - B	(EN 1015-12)
Chloride ions content:	≤ 0,05%	(EN 1015-17)
Water absorption by capillarity:	W0	(EN 1015-18)
Permeability to water vapor μ:	<35 (tabulated value)	(EN 1745)
Thermal Conductivity (λ _{10,dry}):	0,76 (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)