



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



CR 500 VITRO



SPECIAL GLASS-BLOCK MORTAR

PRODUCT

Quick-setting mortar for laying and grouting of glass blocks. For indoor and outdoor use.

CHARACTERISTICS

Easy to prepare, it has excellent workability and adhesion to substrates, high mechanical resistance, controlled shrinkage, waterproofing, good resistance to UV rays. Non-toxic, frost-proof.

APPLICATION FIELDS

Laying and grouting in a single laying of glass bricks. For indoor and outdoor use.

SUBSTRATES

Glass bricks, bricks and thermo-bricks, concrete blocks and natural stone.

CONSUMPTION

About 20 kg/sqm for laying of standard 20x20 cm blocks and 1 cm joint grouting.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

The internal and external laying and grouting of glass block elements, must be carried out with specific ready-mixed mortar such as CR 500 Vitro by Edilcol Italia, to be mixed with water and having a compressive strength ≥ 15 N/sqmm after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION AND APPLICATION

- Check that the glass blocks to be assembled are clean and free of dust.
- Mix a bag of CR 500 Vitro with about 6,5 – 7,0 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 2-3 minutes before proceeding with the laying.
- After checking the weights and the alignments, apply the product by hand using a trowel or a spatula.
- The bricks must be laid using special spacers. In case of construction of large structures it is necessary to insert preventively suitable stainless steel reinforcement bars.
- Wait for the structure to be built has settled down, then provide for the sealing of joints between the elements using a rubber spatula.
- Remove the excess of mortar from the joints before of the hardening.

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:	white powder	
Composition:	cement, selected aggregates, resins, additives	
Granulometry:	≤ 0,4 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 26 %	
Bulk density of fresh mortar:	≈ 1,6 Kg/l	(EN 1015-6)
Bulk density of the dried mortar:	≈ 1,4 Kg/l	(EN 1015-10)
Pot life:	≈ 30 minutes	
Final setting time	≈ 2 hours	
Compressive strength:	≥ 15 N/sqmm	(EN 1015-11)
Flexural strength:	≥ 5,0 N/sqmm	(EN 1015-11)
Initial shear strength:	≥ 0,4 N/sqmm	(EN 1052-3)
Chloride ions content:	≤ 0,05%	(EN 1015-17)
Water absorption by capillarity:	W0	(EN 1015-18)
Permeability to water vapor μ:	15/35 (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)