

Polymer modified mortar for fixing and pointing glass-blocks

Description

ISOMAT AK-GLASS is a polymer modified cement-based mortar for fixing and pointing glass-blocks. It features excellent workability, superior adhesion on glass-blocks and resistance to abrasion and moisture.

It is certified with the CE marking, according to EN 998-2, as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements. Certificate number: 0906-CPR-02412008.

Fields of application

ISOMAT AK-GLASS is used for fixing and pointing glass-blocks.

Technical data

Form:	cementitious powder
Color:	white
Water demand:	5,50 l/25 kg bag
Application temperature:	from +5 ⁰ C to +35 ⁰ C
Compressive strength: (EN 1015-11)	Category M 20
Flexural strength:	5,5 N/mm ²
Initial shear strength: (tab. value)	0,15 N/mm ²
Reaction to fire: (EN 13501-1)	Class A1
Density (dry hardened mortar): (EN 1015-10)	1700 kg/m ³
Water absorption: (EN 1015-18)	0,3 kg/m ² min ^{0,5}
Water vapour permeability: (EN 1745, tab. value)	μ 15/35
Thermal conductivity: (λ _{10,dry}) (EN 1745, tab. mean value; P = 50 %)	0,75 W/mK
Pot life:	at least 3,5 h

Directions for use

1. Substrate

The glass-blocks have to be free of dust, grease etc.

2. Application

ISOMAT AK-GLASS is added to water under continuous stirring until a mixture possessing the desired workability comes up. The material is applied with a trowel as usual. Pointing of the joints follows using the same material.

Consumption

Approx. 13 kg for building 1 m² of ordinary glass-block wall.

Packaging

ISOMAT AK-GLASS is supplied in paper bags of 25 kg and plastic bags of 5 kg.

Shelf-life - Storage

- Paper bags of 25 kg:
12 months from production date
- Plastic bags of 5 kg:
18 months from production date

All of the above are in effect if the product is stored in original unopened packaging, in places protected from moisture and frost.

Remarks

- ISOMAT AK-GLASS contains cement, which reacts as alkaline with water and is classified as irritant.
- Consult the safety advice and precautions written on the packaging.



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0906-CPR-02412008

DoP No.: ISOMAT AK-GLASS/1249-02

EN 998-2:2010

Designed general purpose masonry mortar for external use in elements subject to structural requirements

Compressive strength: Category M 20

Initial shear strength: 0,15 N/mm² (tab. value)

Reaction to fire: Class A1

Density (dry hardened mortar) 1700 kg/m³

Water absorption: 0,3 kg/m²min^{0,5}

Water vapour permeability: μ 15/35 (tab. value)

Thermal conductivity: ($\lambda_{10, dry}$) 0,75 W/mK (tab. mean value; P = 50 %)

Durability (against freeze/thaw): evaluation based on provisions valid in the intended place of use of the mortar

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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