



Mortar for installing and sealing glass blocks



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PRODUCT DESCRIPTION

MASTERGLASS is a special premixed, white mortar, for installing and sealing of high vertical elements with glass blocks.

Its special composition enables to obtain a thixotropic adhesive mix, easy to use both horizontally and vertically for internal or external use.

COMPOSITION

MASTERGLASS is a mineral formula consisting of special hydraulic binders, aggregates of silico-calcareous and specific additives to improve the workability, adhesion and water repellence.

MIXING AND APPLICATION

The glass blocks must be clean, free from dust, dirt, traces of oil or grease.

Mix a bag of 5 kg of **MASTERGLASS** with 1.0 litre of clean water using an electric drill at low speed. Leave the mixture to rest for at least 5 minutes. It is recommended that you keep the water ratio constant at all times. The mortar is to be used within 3 hours of preparation. Stir again with a trowel before use without further addition of water.

For the installation of glass blocks, after having positioned lines and leads, apply a constant quantity of mortar depending on the size of blocks being installed and the size of the joints to be realized using any spacers. Remove the excess mortar and once the mortar has begun to set, wipe joints with a striking tool, making sure to maintain the wall clean during construction.

For large elements, the insertion of steel rods is recommended in each row of blocks. Once dry, where necessary an addition layer of mortar can be applied for the joints.

Using a sponge or damp cloth, remove excess mortar from face of glass blocks (both sides). Do not let mortar dry completely before removal from block; if so, slightly scrape the surface with an abrasive sponge. Cleaning too early may remove mortar from joints.

INDICATIVE AMOUNTS REQUIRED

~ 1,5 kg per dm³.

COLOUR

White.

PACKAGING

5 kg small bags (4 small bags x box of 20 kg).

STORAGE

12 months in original intact packaging and stored in a dry place.

RECOMMENDATIONS

Apply with temperatures between + 5°C a + 35°C. With temperatures below + 8°C and high humidity, there is a risk of carbonation of coloured mortar.

Do not apply masonry blocks that are frozen, thawing or if freezing temperatures are expected within 24 hours after application.

Do not apply during rain or before raining.

Apply mortar thickness no less than 10 mm.

Protect the surface from fast drying due to strong winds or direct sunlight.

Protect the surface from rain and frost for the first 2 days after application





PRODUCT DATA

| | | |
|------------------------|--------------------------|------------|
| Appearance | powder | |
| Colour | white | |
| Dry bulk density | ~ 1300 kg/m ³ | EN 1015-10 |
| Maximum aggregate size | ≤ 1.0 mm | |

APPLICATION DATA

| | | |
|---------------------------------|------------------------|--|
| Water content of mix | 20% | |
| Mixing ratio | 1 bag + 1.0 ℓ of water | |
| Minimum application temperature | + 5°C | |
| Maximum application temperature | + 35°C | |
| Working time | ≥ 120' minutes | |

PERFORMANCE DATA

| | | |
|---------------------------------------|---|---------------|
| Bulk density of fresh mortar | ~ 2000 kg/m ³ | EN 1015-6 |
| Bulk density of hardened mortar | ~ 2000 kg/m ³ | EN 1015-10 |
| Adhesion | 0.30 N/mm ² | EN 1015-12 |
| Air content | 8.5% | EN 1015-7 |
| Consistence of fresh mortar | 125 mm | EN 1015-3 |
| Contents of chlorides | < 0.011% | EN 1015-17 |
| Compressive strength | ≥ 15.0 N/mm ² Class M15 | EN 1015-11 |
| Flexural strength | ≥ 2.0 N/mm ² | EN 1015-11 |
| Capillary water absorption | 0.1 kg/m ² x min ^{0.5} | EN 1015-18 |
| Water vapour permeability coefficient | μ 15/35 | EN 1015-19 |
| Thermal conductivity | 1.17 W/mK (tab. mean value; P=50%) | EN 1745, A.12 |
| Specific heat capacity | 1.0 kJ/kgK | EN 1745, A.12 |
| Reaction to fire | A1 Class | EN 13501-1 |
| Durability | Evaluation based on provisions valid in the intended place of use of the mortar | EN 998-1 |
| Hazardous substances | See MSDS | EN 998-1 |

ACCORDING TO



EN 998-2
Factory made thin layer masonry mortar (T)

REMARKS

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.

