

Permaglass

White glass block mortar



1-Product description

1.1 USE

- Permaglass is a specialty mortar composed of portland cement, lime and fine sand designed for glass block installation.
- For interior or exterior use its contains an hydrophobic agent that increases its waterproofness.
- Permaglass has a texture that can support the weight of a glass block even at a plastic state.

2- Installation

2.1 SURFACE PREPARATION

- Make sure the temperature is between 5°C (40°F) and 35°C (95°F), during the application and for the following 48 hours.

2.2 MIXING

- Small quantity: Pour 4,0 litres (1 gallon) of water into a clean container.
- Gradually add the powder while mixing with a drill equipped with a mixing attachment such as a paint mixer.
- Mix for a minimum of 3 minutes until the mixture has a homogeneous consistency.
- If the mixture is too thick, gradually add water avoiding excess. Keep in mind that glass block does not absorb water like a brick.

Note: It is not recommended to mix less than one full bag.

- Large mix: When a mixer is used, start the mixer, add the water (4 liters per bag) and then slowly incorporate the dry ingredients.

- Mix for a minimum of 3 minutes until the mixture has a homogeneous consistency.

- If the mixture is too thick, gradually add water avoiding excess. Keep in mind that glass block does not absorb water like a brick.

2.3 APPLICATION

- Spread an even coat of mortar.
- Apply mortar to the end of the element and position it.
- Set element in mortar bedding with small, sharp taps aligning with a level or line.
- Following this step, do not realign elements.
- Do not use the mortar if it has been mixed for more than 1 1/2 hours. Do not retemper to recover workability.

2.4 FINISHING

- All mortar joints must be finished using a metal tool to provide the required look as well as weather resistance.
- Jointing must be done just before the mortar loses its plasticity, when finger pressure barely leaves any traces.

2.5 PROTECTION AND CURING

- Protect from rain, sun and wind for the first 72 hours.

2.6 CLEANING

- Clean tools and containers with water while mixture is not yet hardened. Once it is hard, only a mechanical cleaning will be efficient.
- During application, remove mortar spots with jute.

3. Packaging

- This product is available in 22.7 kg (50 lb) bag.

4. Storage

- Store in a cool, dry place. Avoid placing bag directly on the floor.
- Shelf life is one year in unopened bags.
- Discard product that has been damaged by water or humidity or that contains hard lumps.

5. First aid

This product contains portland cement and may cause eye, skin and respiratory system irritation. Wear rubber gloves, safety glasses and approved dust mask. If swallowed, call a Poison Control centre or doctor immediately. Do not induce vomiting. In case of contact with eyes, rinse well with water for 15 minutes. In case of skin contact, rinse well with water. Keep out of reach of children. Consult the safety data sheet for more information.

Technical data sheet

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Technical data table

Characteristic		Results
Initial set time (hours) ASTM C-191		2 ½
Final set time (hours) ASTM C-191		3 ½
Compressive strength ASTM C-109	7 days 28 days	9.7 MPa (1405 psi) 12.5 MPa (1810 psi)
Specific weight kg/L (lb/ft ³) ASTM C-185		1.74 (108)
Covering of a 22.7 kg (50 lb) bag		0.013 m ³ (0.45 pi ³)
Color		White

Note: These results were obtained in a laboratory at 23 °C (72°F)

6. Technical services

Contact Daubois for more information about application methods or conditions or to obtain the latest version of our technical documents.

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7. Warranty

Daubois guarantees that this product will perform as specified in this technical data sheet and suits the application for which it was intended. Nonetheless, Daubois does not offer any explicit or implicit warranty. Under this warranty, Daubois' responsibility is limited to either replace or refund the cost of the product proved defective.