

PRODUCT COMPOSITION / INDICATION / DESCRIPTION

Superglass Glass Blocks Mortar is composed of white Portland Cement, salt-free processed sand, controlled granulometry and special additives that give it water retention and adherence. This mortar is designed for laying and grouting glass blocks in indoor and outdoor environments, providing fast application and excellent finish.

TECHNICAL RECOMMENDATIONS

- The spacers do not dispense with the plumb, ruler and other tools needed for laying. Use 3/16" iron bars for mooring every 2 m<sup>2</sup> and never touch one block with another. Follow the design guidelines. Always consult the glass block manufacturer or the technical foreman when there is a need to use expansion joints and movement joints in the construction of large-span walls (greater than 15 m<sup>2</sup> or for lengths greater than 5 m);
- To increase productivity, using a low-speed drill (less than 300 rpm) with an attached propeller is recommended. Higher speeds cause excessive air incorporation, causing potential loss of efficiency in product performance;
- For any other type of finish (example: crimping), wait approximately 40 minutes to prevent crumbling after the curing time. (This period may vary according to weather conditions);
- For any questions, contact the glass block manufacturer.

REGULATORY REFERENCES AND LABORATORY CHARACTERIZATION

NBR13281:2005: P6 Classification.  
In accordance with NBR 13276:2005, item 5.2.1 g, for the procedure of mixing of anhydrous mortar with water, the additional time is ten (10) minutes.

ATTENTION

Wear safety goggles, rubber gloves and a mask to avoid inhaling dust. In case of contact with the eyes, rinse with plenty of water and seek medical attention. If swallowed, do not induce vomiting and seek medical help immediately. Keep out of the reach of children and animals.

YIELD

Glass block shape (cm)	Joint thickness (mm)	Approximate consumption (kg/m <sup>2</sup> )
20 x 20	10	10

Five kg of mortar lays approximately 25 glass blocks with 10-mm joints. Consumption may vary according to the spacing of the joints and loss rates during application.

STORAGE AND SHELF LIFE

Store in the original packaging, in a dry place, protected from rain, sun and heat, on pallets and in stacks no more than 1.5 meters high. If stored according to the instructions above, the product has a shelf life of one (1) year after the manufacturing date shown on the packaging.

SURFACE PREPARATION

- The base surface must be firm, clean and free from dust or grease;
- Problems with flatness, plumb, waterproofing, cracks and base strength must be corrected 48 hours before laying;
- The glass blocks must be clean, dry, without residues of dust, oil or any other substance that may impair its adherence;
- Aluminum, metal parts or other sensitive surfaces must be protected, as they can get stained or scratched in contact with the mortar.

PRODUCT PREPARATION AND APPLICATION



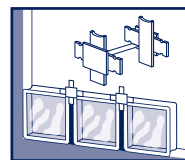
1 • In a clean and dry metal or plastic container, mix the mortar powder with clean water until it forms a firm paste without any dry lumps (mixing must be performed manually or with a propeller attached to the drill). Work with the product protected from the sun, wind and rain, so as not to interfere with the paste setting time.

**Note:** put 4.2 liters of water (± 0.2-L variation) for every 20 kg of mortar.

**Do not add any components other than water.**



2 • Allow the mortar to rest for 10 minutes and, after this period, mix it again. Use a trowel to spread a thick layer over the face of the glass block, completely filling the laying joints set by the spacers between the blocks, preventing the formation of gaps.

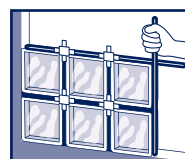


3 • Align the blocks horizontally and lay them on the mortar with the help of spacers and a rubber hammer, tapping gently until the pieces fit together perfectly. The use of plastic spacers aids in fast laying and provides uniform spacing between blocks at horizontal and vertical joints. For grouting, complete the lateral joint finishing with the product itself.

**Note:** do not use the mixture 2 hours after preparation.



4 • Wait approximately 40 minutes before cleaning with a slightly damp sponge. Never use acids for cleaning.



5 • Use 3/16" iron bars for mooring every 2 m<sup>2</sup>, never touch one block with another and follow the design/ manufacturer guidelines.



6 • After final cleaning, wait for the grout to dry completely and apply the PortoKoll® PyroKoir Sealant to protect the surface against moisture, mold, fungus, oil and dirt stains.