

E.MIX Joint Mortar

Cement-based adhesive joint mortar

E.MIX Joint Mortar is an adhesive mortar for quick and secure laying of aerated lightweight concrete blocks and panels. It is used for thin-bed laying with increased productivity and resistance to water penetration. E.MIX Joint Mortar is a green-labelled product endorsed by the Singapore Green Building Council.



PRODUCT BENEFITS



SINGLE COMPONENT



ECO FRIENDLY



LIGHTWEIGHT BLOCK/PANEL

USES

E.MIX Joint Mortar is an adhesive mortar for quick and easy laying of aerated lightweight concrete blocks and panels.

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Off White/Grey
Component	White/Grey portland cement, slag, graded sand
Additive	Improve consistency, workability, water retentivity, and adhesion
Aggregate Size	Max. 1 mm
Density	Approx. 1.5 kg/litre (Powder); 1.6 kg/litre (Hardened)
Thickness	Approx. 3 mm
Water Demand	Approx. 22-24 % or 8.8-9.6 litres/40 kg bag
Pot Life	Approx. 2 hours
Adjusting Time	4 - 5 minutes after laying
Tensile Adhesion Strength (BS EN 1015-12: 2000)	1.4 N/mm ²
Flexural Strength (ASTM C348: 2008)	4.1 N/mm ²
Compressive Strength (ASTM C349: 2014)	9.2 N/mm ²

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

CONSUMPTION

Approx. 2.8 kg/m² of blocks for approx. 3 mm coat thickness. (Based on 600 x 200 x 100mm width blocks)

PRECAUTION

Do not use the unused mortar that has exceeded its pot life or has begun to set by adding water.

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PROCEDURE & APPLICATION



Substrate Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants.



Mixing

Mix E.MIX Joint Mortar with the required amount of clean water. Mix thoroughly with a mechanical mixer until the mixture is homogeneous. Allow mixture to stand for 10 minutes for the additives to dissolve. Mix again, and the mortar is ready for use.



Application

After making the necessary setting up works, install the first course of blocks using cement mortar. Fill the vertical joints with E.MIX Joint Mortar. Apply E.MIX Joint Mortar onto the top side of the first course and next combed with a tooth-edged spatula. Place blocks onto the mortar surface and press firmly to adjust blocks to their final position.

For the vertical joint, recommend applying the mortar onto the vertical side before laying. To ensure good adhesion, the blocks must be pressed firmly against the mortar bed.

STORAGE & PACKING

E.MIX Joint Mortar is available in 40 kg bags.

Shelf life of 12 months if unopened and kept in sheltered and dry conditions.

HEALTH & SAFETY

E.MIX Joint Mortar contains cement, which may produce an allergic effect. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. Keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jul '26)

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