

ADHESIVE FPR CONCRETE BLOCKS, AAC BLOCKS, SIPOREX BLOCKS & FLY ASH BRICKS

Description :

- BLOCKFIX is a versatile thin jointing material for laying AAC blocks, fly ash bricks, concrete blocks etc. The product is specially designed to provide better bonding as a result of higher tensile & adhesion strength.

Scope of Use :

- Laying & jointing of fly ash bricks, cement blocks, hollow blocks, AAC blocks, CLC blocks etc.
- Jointing of pre-stressed concrete slabs, panels.
- Jointing of cement-concrete floor tiles.

Technical Properties :

(As Per IS 15477-2019 standard.)

Properties	Results
Appearance	Grey Color Powder
Tensile Adhesion Strength	$\geq 0.8 \text{ N/mm}^2$
Compressive Strength	$\geq 7 \text{ N/mm}^2$
Mix Density	1.82 g/cc
Layer Thickness	3 to 4 mm
Self-Curing	Yes [No additional water curing is required]

Working Properties at 80.6° F (27° C) :

Open Time	15 minutes
Adjustability Time	40 minutes
Pot Life	Approximately 2 hrs
Time To Foot Traffic	16-24 hours

Application Instruction :

Surface Preparation :

- The surface of masonry units should be slightly wet (in S.S.D condition) prior to application of jointing.
- The masonry units should be clean, with no loose particles or dust for better bonding.
- The surface must be structurally sound.
- Efflorescence & any other contaminant should be removed.
- Surface defects such as cracks, holes or voids should be repaired prior to application.

Mixing Process :

- It is advisable to use a mechanical stirrer for uniform mixing.
- Water addition should be done in quantity which can be consumed by 2 hrs. only.
- Mix 30 % of clean potable water (in stages) with 70 % of Block fix smooth, uniform, workable mix.
- Allow sufficient time for initial mixing.
- Ensure that no powder is left unmixed at the bottom of the vessel.

Application Process :

- Apply a thin uniform layer of BLOCKFIX (3 to 4 mm thick) on the clean and leveled surface of masonry units using proper trowel.
- Place the next course of masonry units on the evenly laid BLOCKFIX bed in proper line & level.
- Each masonry unit shall be properly bedded and set in position by gently pressing with the handle of a trowel.
- After placing the first unit, apply the BLOCKFIX of same thickness on both the side of unit, keeping continuous check for the line & level.
- Connecting face of the masonry unit shall be buttered with mortar before the next unit is laid and pressed against it. Clean the excess material, if any immediately.
- Continue the procedure for the entire masonry work.

Benefits :

- Pre-mixed and ready-to-use. Only water is to be mixed at site.
- Thin jointing material with very high adhesion strength.
- Thin layer application results in a structure being compact.
- No water curing is required.
- Minimizes the undulation of the surface.
- Being a thin layer, chances of water percolation are negligible.
- Ready for subsequent application like plastering just after 24 hours of application.
- Eco-friendly product.

Precautions :

- Though BLOCKFIX contains no toxic materials, still care should be taken to avoid dust inhalation while mixing and handling in case of contact with eyes or face, wash with plenty of clean water.

Coverage :

Under normal condition the coverage of BLOCKFIX is approximately 75-80 Sq. ft. with an average thickness of 3 mm for a bag of 30 kg. The coverage area, however will depend upon the quality & evenness of the substrate, thickness of the joints & size of masonry units.

Packing :

BLOCKFIX is available in 40 kg bag.

Shelf life & Storage :

BLOCKFIX has a Shelf life of 12 Months from the date of manufacturing. Store the material in cool & dry place.

Fire :

Block fix is non-flammable.

Technical Support :

The company provides a technical service supported by the team of specialist applicators in the industry.

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Health & Safety :

C03 Pro is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with the skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.

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