

Uncompromising

Strength

In every joint!

DESCRIPTION

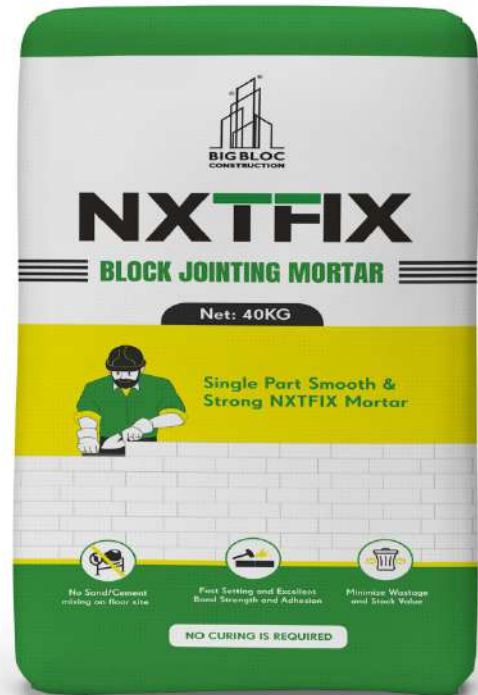
NXTFIX is a Semi-premix high-quality Mortar for jointing and bonding AAC Blocks. **NXTFIX** Block Jointing Mortar consist of Cement, graded sand specialised polymers which can combine to give superior strength, water retention and stability. It replaces the conventional method and material of Jointing Mortar which requires 12-18 mm thickness with a revolutionary 2-3 mm joint thickness. **NXTFIX** only requires the addition of water before application to prepare the product for use, reducing the hassle of measuring and maintaining various individual elements to create a conventional mortar.

APPLICATION

For interior and exterior use, for preparing thin bed mortar for AAC, AAC Wall Panel, Light Weight and Cellular Concrete Blocks.

ADVANTAGES

- High strength
- No curing is required after block work is done.
- Flexible, shock & impact resistant
- Improved adhesion between two blocks
- Improved bond strength, compressive & tensile strength
- Thin jointing with high adhesion to contribute to load bearing capacity of masonry.
- Fast & economical
- High thermal insulations
- Improved compressive strength and tensile strength
- Easy to use
- Premixed



PACKAGING
40 KG

COLOUR
Grey Powder

SUITABLE FOR

- AAC Blocks (Autoclaved Aerated Concrete Blocks)
- Concrete Blocks
- Cement Mortar Blocks/Bricks
- Concrete Hollow Blocks
- Cellular Concrete Blocks
- Fly Ash Bricks

COVERAGE

Coverage depends on the smoothness and evenness of the surface/substrate, the size of the blocks used, and the thickness of the mortar applied. A 40 KG bag covers approximately 115 to 120 square feet when applied at a thickness of 3 mm with AAC blocks of size 600 mm x 200 mm x 100 mm.

To prepare the adhesive mixture, add NXTFIX Block Joining Mortar to 10-12 litres of water per 40 KG bag. Mix thoroughly to achieve a consistent, workable paste suitable for application.

SHELF LIFE

Factory-packed bags of NXTFIX have a shelf life of 6 months if stored in a cool, dry place. However, high humidity can reduce the shelf life of the bagged product.

TECHNICAL DATA

Applicable Standards

Conforms to ASTM-C1660-09

TECHNICAL PARAMETERS

Properties	Specification
Base	Polymer modified Cementitious block jointing mortar.
Appearance/Colour	Grey powder
Dry Bulk Density (gm/Ltr.)	1050 to 1100 gm/Ltr.
Compressive Strength	≥ 0.6 N/mm ² – ≥ 0.8 N/mm ²
Tensile Adhesion Strength	> 0.41 N/mm ² (As Per ASTM 1660)
Flexural Strength	≥ 4.0 N/mm ²
Water Retention (%)	95-100%
Air Content (%)	< 15.0 %
Water powder ratio	35:40: 100
Pot Life	~ 1.5 – 2 hrs
Shelf Life	6 Months after the date of production
Layer thickness	3 mm
Ambient Air Temperature for Application	Minimum: 5 °C, Maximum: 40 °C
Substrate Temperature for Application	Minimum: 5 °C, Maximum: 40 °C
Storage Condition	Store properly in original unopened, sealed and undamaged packaging in dry condition.

Note: Specifications are subject to change without notice. The results shown are typical and reflect the test procedures used. Actual field performance will depend on installation methods and site conditions.

SURFACE PREPARATION

Before applying any NXTFIX products, ensure the application surface or substrate is free from loose particles or any other foreign materials. If necessary, pre-wet or dampen the surface with good-quality fresh water.

MORTAR MIXING AND MIXING TIME

NXTFIX requires 35-40% water by weight of the material. The recommended ratio is 35-40 parts water to 100 parts powder by weight, which translates to 10-12 litres of water per 40 kg bag.

Mixing Time: Mix for a minimum of 3-5 minutes. Use mechanical stirring for 5 minutes to ensure the mixture is smooth and free of lumps, achieving a consistent paste suitable for application.

APPLICATION

1. Mechanical Mixing:

- **Equipment:** NXTFIX must be mechanically mixed using a forced-action mixer or in a clean container using a drill and mixing paddle (<500 rpm). A normal concrete mixer is not suitable.
- **Process:** Mix thoroughly with clean water for a minimum of 3-5 minutes. Allow the material to stand in the container until the majority of bubbles have dispersed (minimum 5 minutes). Then, re-mix the material for 15-20 seconds. The product is now ready for use.

2. Surface Preparation:

Dampening: If the substrate is very porous, if the temperature is high, and/or the relative humidity is low, it is advisable to dampen the surface. Ensure there is no standing water left.

3. Water Requirement:

- **Ratio:** Water required is 35-40% of the weight of the powder. Use approximately 14 to 16 litres of potable water per 40 kg bag of NXTFIX.
- **Mixing:** Add water to the container first, then slowly add the powder into the water while mixing by hand or using a slow-speed mixing machine. Mix for 3 to 5 minutes until a smooth, buttery, thixotropic mix without lumps is obtained.
- **Consistency:** Ensure that no powder is left unmixed at the bottom of the vessel. NXTFIX is now ready for application.

4. Application:

- **Layer Thickness:** Apply a thin, uniform layer of NXTFIX, 2 to 3 mm thick, on the clean and levelled surface of masonry units using a proper trowel. It is recommended to use notch trowels to achieve a consistent thickness of 3 mm.
- **Bond Thickness:** Mortar should be spread on all sides of the block to maintain a bond thickness of 2-3 mm.



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