









# NXTFIX

BLOCK JOINTING MORTAR



NXTFIX mortar is a semi premix high quality mortar for jointing and bonding of AAC blocks. NXTFIX mortar semi premix consists of cement, graded sand and specialised polymers which combine to give superior strength, water retention and stability. It replaces the conventional method and material of jointing mortar which requires a 12-18 mm thickness with a revolutionary 2-3 mm joint thickness. NXTFIX mortar only requires 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.

## FEATURES :

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**1. HIGH BOND STRENGTH** : Special polymer imparts high adhesive Strength increasing overall masonry strength & load bearing capacity.
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**2. ECONOMICAL** : Quantity of NXTFIX required is 3 times lesser than conventional mortar.
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**3. SEMI PREMIX** : NXTFIX mortar bags are semi-premix solutions which only require the addition of water to prepare for application, reducing the hassle of mixing various raw materials and further saving a lot of time and manpower.
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**4. NO CURING REQUIRED** : Due to water retention polymers, curing is not essential after application
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**5. NEGLIGIBLE SEEPAGE** : Due to texture Chemical bond and properties of NXTFIX mortar, seepage water penetration through joints is negligible.
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**6. EASY APPLICATION** : Easy to mix, blend and apply due to the smooth texture of the mortar, the semi premix ensures higher flow ability and water Retention properties.



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## PRODUCT CHARACTERISTICS & TECHNICAL SPECIFICATIONS

PARAMETERS	VALUES
Physical Nature	Powder and Gray in Colour
Water Demand	25-35%
Spread on surface	Excellent (in comparison to conventional mortar due to the consistency in texture and smoothness in application)
Hard Dry	Approx.24Hours (further depending in the temperature and humidity conditions)
Surface Area Covered by 40Kg bag	170-200 sq.ft (for 4" thick blocks)
Splitting Tensile Strength	≥0.34 N/mm <sup>2</sup> ( as per ASTM- C1660)
Ingredients	Graded Sand, pozzolanic material, Binder, Performance additives.
Packaging	40 kg Bags
Storage	Keep in dry place free from moisture and water. Do not leave the bags open.

## Comparison with Traditional Method

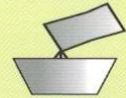
PARAMETERS	TRADITIONAL	NXTFIX
Joint Thickness	10mm - 18 mm	3mm +
Drying Time	Slow	Rapid
Setting time	Slow	Rapid
Height of build	Restricted	No Restriction
Precision	Less	More
Air tightness	Less	More
Strength	Joints are weak points	Joints are stronger
Shrinkage	Yes	No
Stability	Less Stable	More Stable
Material storage	More	Less
Aesthetics	Uneven, with variations	Even and better laying

### Health safety Precaution:

This product is non-toxic and non-hazardous. Use of gloves, dust-mask and goggles is recommended. In case of contact with skin/eyes, wash with plenty of clean water. In situation of prolonged irritation, professional medical aid should be sought.

## PREPARATION & APPLICATION

### Mortar Mixing



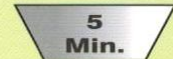
In a clean bucket, mix NXTFIX thin bed mortar in 25-30 % of water.

### Mixing by Mixer or Tool



Mix first for 5-10 minutes by hand or electrical mixer to mix homogeneously.

### Reaction Time



Allow mortar to stand for 5 minutes.

### Mortar Remixing



Mix again for 2-3 minutes. Now thin bed mortar is ready to use.

### Mortar Spread



Mortar should be spread on all sides of block in such a way to maintain the bond thickness 2-3 mm.

### Setting Time



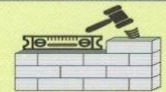
The setting time is affected by climatic conditions, allow stand-alone time accordingly.

### Clean Surface



Before application clean the surface of blocks using suitable tools like brush so that any foreign material is not held on the blocks.

### Alignment



Use Spirit Level and fibre hammer to remove any air gaps in between blocks for proper jointing and alignment.

### Wet Surface



Wet the surface of blocks before applying mortar.

### DND



Do not disturb the wall after application of mortar for at least 24 hours.