

## TECHNICAL DATA

### FX-20 BLOCK BINDER

#### Product Description:

**Tylon FX-20 block binder** is a jointing material for laying AAC blocks, fly ash bricks, concrete blocks etc. this block binder is specially designed to provide stronger, much more durable bonding between the blocks and superior adhesive strength. It replace conventional cement and sand mix mortar, economically but giving more strength. Tylon jointing block binder is made from a unique combination of cement, graded sand and selective chemicals.

#### Application:

For interior and exterior use for preparing thin bed adhesive for AAC, ALC and cellular concrete blocks.

#### Advantages:

- High Strength
- No curing 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
- easy to use
- Long working time
- Fast & economical

#### Suitable Substrates:

- Concrete Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Aerated Light weight blocks
- Cellular concrete blocks
- Fly Ash Bricks

**Packaging :** 20 Kg bag

**Colour:** Grey

#### Coverage:

Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A general guide line for coverage of mortar is given when used with 25 to 30% Water is added to powder.

The following is the coverage table for wall area

Thickness	Coverage for 20 Kg Bag
3 to 4 mm	60 Sft

NOTE: Coverage depends on the substrate evenness and the thickness at which the AAC Block adhesive is applied.

#### Shelf Life:

Factory sealed bags of this product are guaranteed to be of first quality for one (1) year\* if stored off the ground in a dry area, at 21°C and 50% RH.

\*High humidity will reduce the shelf life of bagged product

#### Applicable Standard:

Conforms to ANSI A118.1 & ANSI A118.4-1999

#### Performance Properties:

FX-20 BLOCK BINDER mixed with water

Test	Results
Compressive strength	>4.7 MPa
Tensile Adhesion strength	>1 MPa



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**Working Properties:**

Pot Life	1 Hour
Open Time	30 Minutes
Time to full dry hard	13 Days
Wet Density	1755 kg/m <sup>3</sup>

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

**INSTALLATION****Surface Preparation:**

All surfaces should be between 40 °F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with Tylon FX-20 underlayment to provide a wood float (or better) finish. Installation may be made on a damp surface.

All slabs must be plumb and true to within 1/4" (6mm) in 10 ft (3m).

Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". Do not cover expansion joints with mortar.

**Mixing :**

It is very important that Tylon jointing block binder is mixed with water thoroughly before use.

- Use a clean vessel/bucket which does not have any hole or cut and add some in the empty vessel to ensure no powder gets stuck on the bottom of the vessel and put required quantity of Tylon jointing block binder.
- Mixing Ratio – Depending on the thickness of the product to be applied, add approximately mix 25%-30% of the clean portable water and 70% of powder and mix. Water is added in stages to get a smooth, uniform, workable mix. Allow ample of time for initial mixing.
- Ensure that no powder is left unmixed at the bottom of the vessel.
- The jointing block binder is now ready for application.

**Method of Application :**

1. Layout the wall where Tylon block binder is to be used and mark openings like door, windows or any architectural appurtenances.
  2. Apply a thin uniform layer of Tylon block binder 3 to 4mm thick on the clean & leveled surface of masonry units using proper trowel.
  3. Place the next course of masonry units on the evenly laid jointing block binder 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.
  4. After placing the first unit, apply the jointing block binder of same thickness on both the sides of the unit, keeping continuous check for the line & level.
  5. Inside face of the masonry unit shall be buttered with block binder before the next unit is laid and pressed against it especially in case of bricks.
  6. Clean the excess material, if any immediately.
  7. Continue the procedure for the entire masonry work.
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