



**CHEMAX BLOCKCRETE**  
AAC BLOCK FIXING THIN BED ADHESIVE

**Description:**

- **CHEMAX BLOCKCRETE** is a Versatile thin jointing material for laying AAC Blocks, concrete Blocks, Fly ash bricks, etc. This Mortar is specially designed to provide stronger, much more durable bonding between the blocks and superior adhesive strength.
- It replaces conventional cement and sand mix mortar. Laying and jointing of masonry units like fly ash bricks, concrete blocks, hollow blocks, AAC blocks, etc. jointing of prestressed concrete slabs, panels. jointing of cement - concrete floor tiles. jointing of concrete window and door frames

**Uses:**

- **CHEMAX BLOCKCRETE** is made from a unique combination of cement, graded sand and selective additives. The unique chemical combinations enable this mortar to more compact, thinner and more versatile.
- At only 3 mm thick it is far through than the conventional mortar which is between 12-18 mm. It is pre mixed so it is easy to use and also ensures the compaction of interlocking bricks making the bonds tougher and more durable.

**Advantages :**

- Thinner jointing material with very high adhesive strength improve overall masonry strength and load bearing capacity Pre-mixed and ready to use. Only water is to be added at site.
- Eliminates lengthy process of site mixing, transport and storage of all individual material.
- No water curing is required after application. Easy to mix much faster to apply due to its superior flow ability and water retention properties.
- Thinner layer of application for lesser shrinkage and seamless structure. Economical qualitative of mortar is far less than conventional mortar.
- Seepage/water percolation through joints is negligible due to integrity of mortar joints with masonry units.
- Ready to subsequent application like plastering just after 24 Hr. of application Raking of joints is not required before plastering.
- Raw materials are process reducing the chances of efflorescence.
- **CHEMAX BLOCKCRETE** is made from eco friendly material.



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#### Properties:

<b>Mechanical properties</b>	
<b>Appearance</b>	Free Flowing Power
<b>Color</b>	Grey
<b>Water demand at temp 27<sup>o</sup> and humidity 45-55%</b>	25 - 30 %
<b>Workability</b>	Very good
<b>Dry at temp 27<sup>o</sup> and humidity 45-55%</b>	24 hrs
<b>Pot life</b>	Approximately 2 hrs. @ 27 C
<b>Self Curing</b>	No additional water curing is required
<b>Tensile strength @ 28 days</b>	0.8 N/mm <sup>2</sup>

#### Surface Preparation:

- Surface of masonry units should be slightly wet prior to application if **CHEMAX BLOCKCRETE**. The masonry units should be clean with no Loose particles or dust for better bonding. Surface must be structurally sound. Surface defects such as cracks, holes or voids should be repaired prior to application.

#### Mixing:

- It is very important that **CHEMAX BLOCKCRETE** is mixed with water thoroughly before use. It is advisable to use a Mechanical stirrer for uniform mixing to save time, labor and maximum workability effectiveness.
- Used a clean vessel / bucket and some water in the empty vessel to ensure no powder gets stuck on the bottom of the vessel and put required quantity of **CHEMAX BLOCKCRETE**.
- Mixing ratio depending on the thickness of the product to be applied. Add approximately mix 25-30% of the clean water and 70% of powder and mix.
- Water is added in stages to get a smooth uniform workable mix. Allow time for initial mixing.



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**METHOD OF APPLICATION:**

- Lay out the wall where **CHEMAX BLOCKCRETE** is to be used and mark opening like door, windows. Apply a thin uniform layer of **CHEMAX BLOCKCRETE** 3-4 mm thick on the clean and level surface of masonry unit using proper trowel.
- Place the next course of masonry units on the evenly laid jointing mortar bed in proper line and level. Each masonry unit shall be properly bedded and set in position by gently pressing with the handle of trowel. After placing the first units apply **CHEMAX BLOCKCRETE** of same thickness on both the side of the unit. Check for lines & levels.
- Inside face of the masonry unit shall be buttered with mortar before the next unit is laid and pressed against it especially in case of bricks. Clean the excess material, if any immediately continue the procedure for the entire masonry work.

**COVERAGE:**

- Under normal condition the coverage of jointing mortar is approx. 90-100 ft with average thickness of 3 mm for a bag of 25 kg. for block size 600x200x150 mm. coverage area however in depend upon the evenness of the substrates thickness of joint and size of masonry units.

**PACKING:**

- 40 kg. Of woven bags

**SHELF LIFE:**

- 12 months from the date of manufacture under standard storage conditions in a shaded and dry place.