

SILICOfix

Block Jointing Mortar

THINNER, BETTER, STRONGER

Precise Conchem Pvt Ltd is a fast-growing company providing innovative and quality products and solutions to the Construction Industry. The company manufactures **SILICOplast** ready mix plaster and **SILICOfix** thin jointing mortar at its state of the art manufacturing facility at Panoli GIDC, Bharuch Gujarat.

SILICOfix is a ready mix thin block jointing mortar which can be used for laying AAC blocks, Concrete blocks etc. The mortar is a pre-mixed cement-based product that only requires the addition of water to produce an easily applied mortar, giving durable joints of 3mm.

SILICOfix has a combination of cement, graded sand and additives formulated after extensive research to provide the best adhesion and bonding strength.



Product Features

- › Dry, premixed powder
- › Quick drying & rapid setting
- › Easy to apply
- › Reduced Shrinkage
- › Better water retention properties
- › Water-curing is not required after application
- › No raking of joints required before plastering

Benefits

- › Higher productivity - Fast setting mortar allows continuous laying and takes less time than conventional mortar combined with good workability and spread of material.
- › Increases speed of construction – only 24 hours required before next stage like plastering, coating etc.
- › The quick-setting properties of the mortar eliminate any restriction on the height of walls that can be built in a day.
- › Improved flow/"spread under trowel," workability, water retention and open time, shrinkage reduction and improved bond to substrate through proprietary additives in the formulation.
- › Less storage - Up to 80% less mortar materials eliminates the need for bulk sand and cement storage on site.
- › More Cost-effective since lesser quantity is used and also has lesser wastage.
- › Better water retention properties and is Self Curing.
- › Seepages and water percolation through joints is negligible.
- › Provides solid robust walls with improved overall construction quality .
- › Gives better adhesion, more stability and durability.
- › Improved build accuracy of finished walls.



THINNER, BETTER, STRONGER

SILICOfix

Block Jointing Mortar

THINNER, BETTER, STRONGER

Comparison with Traditional Method

Parameters	Traditional Method	SILICOfix
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

Technical Information

- ▶ **Appearance:** Grey Coloured, granular powder
- ▶ **Main Binder:** Ordinary Portland cement 53 Grade
- ▶ **Aggregate:** Fine Sand
- ▶ **Additives:** Proprietary organic and inorganic additives

Method of Application

- ▶ Clean the surface of application well; Slightly wet the surface before applying SILICOfix
- ▶ Mix 200 - 250 ml of water per kg to the dry SILICOfix powder depending on the thickness of the joint to be built-up. Add water in stages, mixing uniformly to get a smooth paste.
- ▶ Ensure no dry powder remains after addition of water.
- ▶ Using a proper trowel, apply a thin uniform layer of SILICOfix, approx 3 to 4mm thick.
- ▶ Place block and apply SILICOfix on both the sides of the block.
- ▶ Continue laying the next block and follow the same procedure to complete the structure.
- ▶ Clean excess material and reuse after laying each block.



THINNER, BETTER, STRONGER