

ShaliFix BS

Mortar for AAC Blocks and Fly Ash Bricks



STP Limited

Description

ShaliFix BS is cementitious, ready mix, non-shrink, self-curing water resistant mortar used for fixing AAC block, hollow blocks, bricks and precast masonry blocks.

ShaliFix BS is a polymer modified cementitious mortar with graded sand and additives.

Characteristics

Appearance	Grey Powder	Pull Off adhesion, MPa	> 0.5
Compressive strength, MPa, 28 days	10	Bulk density gm / c	1.55 ± 0.05
Mixing Ratio (Powder : Water)	3 : 1 by volume	Theoretical coverage*, 3 mm, kg / m ²	4 ± 1
Pot Life at 27 °C, Minutes	> 80	Mix Density, gm / cc	1.65 ± 0.05
Tensile adhesion Strength, N/mm ² at 28 days	≥ 0.8	Layer thickness, mm	3 - 4
		Substrate temperature, °C	5 to 45

* Depending upon surface condition.

Application

- Fixing together of Aerated Autoclave Concrete (AAC) block sets, hollow block sets, bricks, fly ash bricks and precise masonry block sets.

Advantages

- Economical, ready to use. requires addition of water.
- Self-curing.
- Reduces mounting time of blocks.
- Excellent adhesion, high strength & water retention properties.
- Improves adhesion strength of overall mortar with a thinner application.

Application Methodology

➤ Surface Preparation

- Ensure surface is thoroughly free from all laitance, loose materials, oil grease etc.
- Ensure that surface is flat, structurally sound and free from any other contamination which would reduce bond strength.
- Substrate must be free from void, holes and cracks.

➤ Material Preparation

- Mix **ShaliFix BS** with stirrer having speed of 400-500 rpm with clean water in the ratio of 3 : 1 by volume or 6.5 to 7.5 L of clean water per 30 kg bag and mix for 3 – 4 minutes.
- Allow it to stand for 2 – 3 minutes to allow entrapped air to escape.

➤ Application of Material

- Pre-wet all the blocks with water to Saturated Surface Dry Condition (SSD).

- Apply **ShaliFix BS** uniformly in a layer of 2 – 3 mm.
- After first unit is placed, apply **ShaliFix BS** on both side of the surface with uniform thickness and continue mounting by checking line and level
- Press block firmly to ensure good initial bonding.
- Clean excess material, if any.
- Do not disturb the blocks /bricks setting for 24 hrs.
- Do not apply prepared material in standing water.

Cleaning

Clean all the tools with water before hardening.

Health & Safety

- Ensure adequate ventilation.
- Wear suitable protective clothing, gloves and eye protection.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

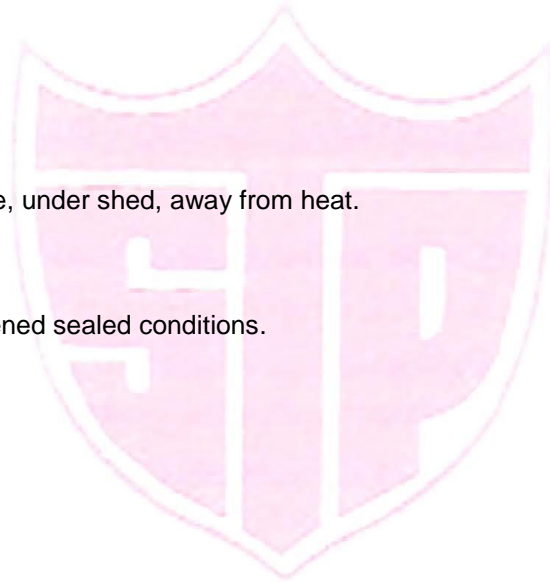
Available in 30 kg bag.

Storage

Keep in cool and dry place, under shed, away from heat.

Shelf Life

6 months in original unopened sealed conditions.





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