



CEM-BOND Block Joining Mortar

LIGHT WEIGHT BLOCK JOINING MORTAR

Description

CEM-BOND Block Joining Mortar is a pre-mixed, self-curing & non-shrink thin jointing mortar for AAC (Autoclaved Aerated Concrete) blocks or equivalent. CEM BOND Block Joining Mortar is a specially engineered jointing mortar with an ideal mix of Ordinary Portland Cement, fine quality graded aggregates, polymers and chemical additives.

Areas of Application

- Autoclaved Aerated Light Weight Blocks.
- Fly ash Bricks.

Features & Benefits

- Thinner jointing material with very high tensile adhesion strength improving the overall masonry strength
- Better bond than conventional cement based mortar
- Faster to apply due to good spreadable properties.
- Excellent high strength & water retention properties
- Economical as quantity of mortar is less than conventional mortar
- Self-curing.
- Negligible Shrinkage
- Highly cost Effective

Method of Application

1 Surface Preparation

- The surface must be strong, clean and free from grease, wax and Oil.
- The surface should be free from loose materials.
- The blocks should be cleaned using a wire brush to remove any foreign matter.
- Before application of the CEM-BOND the blocks should be thoroughly cured with water.

2 Mixing

- Mix 10-12 Liters of water in 40 KGS CEM-BOND Block Joining Mortar. It must be mechanically mixed using a paddle mixer in a clean container to form a lump free homogeneous consistency.
- Allow the mortar to stand for 5 to 7 minutes.
- Spread the applied mortar in such a way that a consistent thickness of 2 mm to 3 mm is maintained.
- Addition of extra water after initial mixing is not recommended.

3 Application

- Apply the CEM-BOND Block Joining Mortar on the cleaned surface where the block work is to be done.
- In order to form a uniform layer, comb the mortar using a notch trowel before placing the block.
- Use hammer and spirit Level to remove any air gaps between blocks for proper level among blocks and alignment.
- Place the next course of masonry units on evenly jointing mortar bed in proper line & level.
- Each masonry unit shall be properly bedded and set in position by gently pressing with handle of trowel.
- Clean the excess material if any, immediately. Continue the procedure for the entire work.
- Do not disturb the blocks /bricks setting for first 24 hours.



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4 Curing

- The applied mortar has to be cured 3-4 times a day for at least 3 days by spraying with water.

Technical information

S.No.	Properties	Results
1	Binder	Ordinary Portland Cement + Polymer + Additives
2	Colour	Grey
3	Size of Aggregate	0-0.6mm
4	Working Time (Pot Life)	60 min

S.No.	Test	Results	Test Method
1	Bulk Density, Kg/m ³	1245	EN1215-6-1998
2	Compressive Strength 28 Day,s,Mpa	12.83	ASTM C 579-01(2012)
3	Flexural Strength 28 Day,s,Mpa	10.8	ASTM C580-18
4	Splitting Tensile Strength, N/mm ²	0.85	ASTM C1660-10
5	Shear Adhesion 14 Days, N/mm ²		
a)	Dry	1.45	IS 15477:2019
b)	Wet	1.06	

Theoretical Coverage

Size (L W H)	Jointing surface area of one block (Sft.)	Mortar reqd. in Kg/Block (170 Sft/40 Kg)	Block reqd. for 100 Sft.	Jointing mortar in Kg. required for 100 Sft.
650x250x75	1.45	0.34	57.17	19.55
650x250x100	1.94	0.46	57.17	26.06
650x250x125	2.42	0.57	57.17	32.58
650x250x150	2.91	0.68	57.17	39.09
650x250x200	3.88	0.91	57.17	52.13
650x250x225	4.36	1.03	57.17	58.64
650x250x250	4.84	1.14	57.17	65.16
650x250x300	5.81	1.37	57.17	78.19
650x200x100	1.83	0.43	71.46	30.77
650x200x150	2.74	0.65	71.46	46.15
650x200x225	4.12	0.97	71.46	69.23
600x200x100	1.72	0.41	77.42	31.37
600x200x150	2.58	0.61	77.42	57.06
600x200x225	3.88	0.91	77.42	70.59



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Packaging

40 Kg

Shelf Life

Six months from date of production in the original sealed packaging with recommended storage conditions.

Health & Safety Precautions

- 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.

Other Product available

Tile Fix Mortar | Tile Grouts | Block Joining Mortar | Readymix Plaster | Ruff Tuff Textures | Industrial Grade Hardener | Decorative Colour Hardener | Neutral & Colour release | Sealers | Epoxy Resins | Concrete Admixtures | Paints & Allied Products



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