

NUVOCO ZERO M BLOCK JOINTING MORTAR

PREMIX HIGH-QUALITY MORTAR

DESCRIPTION

NUVOCO ZERO M BLOCK JOINTING MORTAR is a premix high quality mortar for jointing and bonding of all types of substrates like AAC Blocks, Concrete Blocks Hollow Blocks and Bricks. It consists of cement, graded sand & specialized polymers which combine to give superior strength, water retention and stability. It replaces the conventional method and material of jointing mortar which requires 12-18 mm thickness with a revolutionary 3 mm joint thickness and only requires addition of water before application to prepare the product for use. The product technical parameter complies with ASTM C 1660-09.



FEATURES & BENEFITS

- Excellent bond strength than conventional cement-based mortar: It's superbond **SRM additive technology** and use of selected graded ingredients makes the adhesion stronger to surface.
- No water curing: Making the construction faster than conventional mortar.
- Factory made product with consistent & optimum water-mortar ratio: Ensures better spread & workability with thinner jointing, higher adhesion and improved quality of overall masonry work.
- Convenient & economical: Ready to use & negligible wastage compared to conventional mortar.

AREAS OF APPLICATION

- AAC blocks
- Concrete blocks (Solid & hollow)
- Bricks

APPLICATION INSTRUCTIONS

SURFACE PREPARATION:

- The substrate must be structurally sound, laitance free, clean and free from dirt, oil, grease, other contaminants and loose or friable particles. Pre-wetting of substrate is essential with maximum saturation of water but saturated surface dry (S.S.D.) condition.

MIXING:

- Zero M Block Jointing Mortar must be mechanically mixed in 12 to 14 litres of clean water using a mechanical mixer or in a clean container using a drill and mixing paddle (< 500 rpm).
- Mix initially for 3-7 minutes by electric mixer or an appropriate tool to mix homogeneously
- Leave material to stand in container until most bubbles have dispersed (minimum 5 minutes).
- Then remix the material for 15 seconds - the product is now ready for use.

NOTE: If the substrate is very porous, if the temperature is high and/or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water.

APPLICATION PROCEDURE:

- Apply a thin uniform Layer of ZERO M BLOCK JOINTING MORTAR 2 to 3 mm thick on the clean & levelled surface of masonry units using proper trowel. The mortar should be spread on horizontal and vertical sides of block in such a way to maintain the bond thickness of 2-3 mm. The inside unit of the masonry unit shall be applied with mortar before the next unit is laid & pressed against it especially in case of bricks.
- 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.
- Use spirit level and fiber hammer/mallet to remove any air gaps in between blocks for proper jointing and alignment.
- Clean the excess material, if any immediately. Continue the procedure for the entire masonry work. Do not disturb the blocks /bricks setting for the first 24 hours.

PRECAUTIONS & LIMITATIONS:

- Though it contains nontoxic materials but still care should be taken to avoid dust inhalation while mixing and handling.
- People allergic to cement and cement products should take precautions before use. In case of Contact with eyes wash with plenty of water.
- Keep out of reach of children.

TECHNICAL INFORMATION

PHYSICAL PROPERTIES @ 27 ± 2°C

Sr No	Test Parameter	Product Specification	Test method
1	Appearance and Color	Powder and grey in color	Visual
2	Sand Size (microns)	less than 600	IS 383 *2018
3	Dry Density (Kg/m ³)	1650 - 1750	In - house
4	Wet Density (Kg/m ³)	1850 - 1950	In - house
5	Water Demand (Litre / 40 kg Bag)	9.6 - 11.2 Litre or 24 - 28%	
6	Bed / Joint Thickness (mm)	2 to 3	
7	Pot Life (mins)	90 - 120	In House
8	Adjustment Time (mins)	Up to 20	
9	Mixing Time (mins)	3-7	
10	Hard Dry (Hrs)	24	
11	Coverage Area sq. ft. - 4" AAC Block Wall (sq. ft. /40 kg bag)	124 - 140*	As per good practice
12	Coverage Area sq. ft. - 6" AAC Block Wall (sq. ft. /40 kg bag)	88 - 104*	As per good practice
13	Compressive Strength (MPa @ 28 Days)	> 12	EN 1015 - 11
14	Tensile Adhesion Strength (MPa @ 28 Days)	>0.8	EN 1348
15	Splitting Tensile Strength (MPa @ 28 Days)	> 0.5	ASTM C 1660 -09
16	Self-Curing	Yes	

NOTE: The values in the above table are obtained in the standard laboratory conditions.

COVERAGE: *Above coverage calculated at standard laboratory conditions. Coverage will vary depending on actual site conditions.

PACKAGING: 40 kg

SHELF LIFE AND STORAGE: The shelf life in the original sealed packing is 6 months from date of production when product is stored under cover & out of direct sunlight. Protect from extremes of temperatures.

For more information on placing orders, visit www.nuvoco.com or scan this QR code



Toll free: 1800 345 6666



Whatsapp 'NUVOCO' to 98300 17272

Choose from our range of **60+** products in:

Cement | Modern Building Materials | Ready Mix Concrete

