

# Polyglaze®

## PZ BLOCK MORTAR

## PREMIUM MASONRY MORTAR FOR AAC BLOCKS

### PRODUCT DESCRIPTION

Polyglaze PZ Block Mortar is a thin bed, high strength, pre-mixed, premium quality mortar comprising of ordinary portland cement, specially graded sand and polymers. It is specially formulated for easy application, providing better bonding and higher air entraining properties. It is a masonry mortar for use in laying various types of fly ash / concrete bricks, AAC blocks and stones, and replaces conventional jointing mortar of 12 - 18 mm thickness with a highly versatile 3 - 4 mm thin mortar.

### AREAS OF APPLICATION

- ◆ To lay fly ash bricks, cement block, hollow blocks, aerated block, etc
- ◆ Fixing of cement window and door frames.
- ◆ Barbques and fire places
- ◆ Garden and boundary walls
- ◆ Screed and compost bins, sand pits
- ◆ Bench stands and bicycle stands
- ◆ Repairing of masonry walls

### ADVANTAGES

- ◆ Our quick-setting and self curing proprietary mortar effectively "glues" the blocks together, enabling the next course to be laid within a very short time
- ◆ Higher bonding strength increases durability and eliminates future maintenance
- ◆ Non-metallic, doesn't rust out, will not discolor wall
- ◆ Ready-mixed mineral-based product designed for both new construction and renovation purposes
- ◆ Being premixed, it saves considerable time, and labour. Increases dimensional stability of the block work
- ◆ Being premixed and less porous, it inhibits efflorescence

### STANDARDS

- ◆ ASTM C - 1660 / ASTM C 109 : 2021

### APPLICATION METHODOLOGY

#### Surface Preparation

- ◆ When laying new brick or block walls first construct a sound footing below the first line
- ◆ All substrates should be cleaned and free from dust, oil, grease, curing agents, paints, which may affect adhesion
- ◆ Surface/substrate should be saturated with clean water; however, no standing water should be present during application
- ◆ When repairing mortar joints, ensure removal of all loose foreign materials

#### Mixing

- ◆ Take 7.2 L to 8 L (approx. 18-20% by weight) of clean water in a bucket and gradually add 40kg of PZ Block Mortar while mixing continuously
- ◆ Mixing can be done manually or by using a slow speed electrical mixer
- ◆ Mixing to be done till homogenous lump free mixture is obtained
- ◆ After proper mixing, leave the paste for 5 - 10 minutes for polymeric dispersion
- ◆ The paste should be kept away from direct sunlight and heat



#### Application / Grouting

- ◆ Lay out the wall you are going to work on and mark openings like door, windows, and any architectural appurtenances, included in your design
- ◆ Apply a thin layer of Polyglaze PZ Block Mortar, 3 - 4 mm thick, on the clean and leveled surface using notched trowel
- ◆ Place the block on the laid jointing mortar in proper line and level
- ◆ Apply the jointing mortar in 3 - 4 mm thickness uniformly on both horizontal and vertical joints of the blocks. For block placement on RCC surfaces (beam / slabs), apply mortar both on the concrete surface and block surface to ensure proper bonding and avoid joint cracks
- ◆ Space 'mortar boards' about every six feet along the wall, or on each side if the project is small
- ◆ Brush the face of the block with a foxtail brush to wipe away excess mortar and finish smoothing the joint
- ◆ Continue laying the block with 3 - 4mm thick jointing mortar until the leads are leveled

### PACKAGING

- ◆ Polyglaze PZ Block Mortar is available in 40kg bags

### STORAGE & SHELF LIFE

- ◆ Store in a dry place away from moisture and sunlight
- ◆ Best before 12 months from the manufacturing date in original sealed condition

### PRECAUTIONS & LIMITATIONS

- ◆ Spread the mortar across the whole surface of the block using the trowel and work thoroughly into the joints for best results
- ◆ The mortar will achieve a semi-dry consistency, in approx. 10-15 mins, don't reuse this residual mortar into any unfilled joints
- ◆ Use proper tools while cutting the blocks
- ◆ Avoid using very high speed, when mixing with electric equipment

# TECHNICAL DATA SHEET

## PHYSICAL PROPERTIES

Physical Appearance	Dry Powder
Colour	Grey
Bulk Density	1.48 g/cc
Water Mixing Ratio	Approx. 18 - 20% by weight
Applicable Temperature Range	5°C to 40°C
Pot Life	Approx. 45 - 60 min.
Curing	Self Cured

## PERFORMANCE PROPERTIES

PROPERTIES	STANDARD	PZ BLOCK MORTAR
Compressive Strength @ 28 days	ASTM C 109	> 8 N/mm <sup>2</sup>
Splitting Tensile Adhesion Strength @ 28 days	ASTM C 1660	> 0.45N/mm <sup>2</sup>

## COVERAGE

- ◆ 120- 150 sft./ 40 Kg bag with 3 - 4 mm bed thickness(100 mm AAC Block)
- ◆ Coverage will vary depending on the surface level, the application method and bed thickness

## HEALTH & SAFETY

- ◆ Use a respiratory mask and protective gloves during application.
- ◆ Clean hands with soap and water after application.
- ◆ Avoid contact with skin / eyes. In case of unlikely contact, rinse eyes immediately with plenty of clean water and cleanse skin with soap and lukewarm water. Seek medical advice if irritation occurs / persists.
- ◆ In case of unlikely swallowing, seek medical attention immediately.

### Disclaimer:

The information in this TDS is for general guidance only. Specific advice for site conditions is available upon request. Details provided by the company are in good faith, when product is properly stored, handled, and applied under normal conditions. The site conditions, material compatibility, and workmanship are beyond our control, no warranties expressed or implied are given. The company accepts no liability for unsatisfactory results or consequential damages arising from product use.



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