

ShreeShakthi

JOINTING MORTAR



“**ShreeShakthi Jointing Mortar**” is a thin bed, high strength, pre-mixed, quality assured mortar comprising of Ordinary Portland Cement, specially graded sand and Polymers. It is specially formulated and easily applied, giving a better bonding with higher air entraining properties. “**ShreeShakthi Jointing Mortar**” is a masonry mortar for use in laying various types of fly ash / concrete bricks, AAC blocks and stones. It replaces conventional jointing mortar of 12-18 mm thickness with highly versatile 3-4 mm thickness mortar.

Special Properties of “**ShreeShakthi Jointing Mortar**”:

- Our quick setting proprietary mortar essentially “glues” the block together and the next course is ready to lay 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 products designed for new construction as well as for renovation purpose.
- Being premixed, it saves considerable time, labour and increases dimensional stability of the blocks.
- It doesn’t cause damage to ecosystem.
- Being premixed and less porous, it inhibits efflorescence.

Areas of use :

Laying bricks and blocks:

- To join fly ash bricks, cement block, hollow blocks, aerated block etc.
- Jointing of prestressed concrete slabs, panels.
- Jointing of cement window and door frames.
- Barbecues and fire places.
- Garden and boundary walls.
- Screed and compost bins, sand pits.
- Bench stands, bicycle stands.
- Terracing.
- Ornamental Pools.
- Repairing of masonry walls.

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.
- Wet the substrates before the application, without leaving excess water.
- When repairing mortar joints, remove all loose foreign materials. Preparation of “**ShreeShakthi Jointing Mortar**”:
- Take a small amount of water in a bucket and gradually add “**ShreeShakthi Jointing Mortar**” in it. Mix the product with water in the ratio of approximately 1:4.
- Mixing can be done manually or by stirrer.
- Mixing to be done till homogenous mix is obtained.
- After proper mixing, leave the paste for 5-10 minutes for polymeric dispersion before application.
- The paste should be kept away from direct sunlight, heat and used within 1 hour of preparation (after mixing with water.).

Application of “**ShreeShakthi Jointing Mortar**”:

- Layout the wall you are going to work on and mark openings like door, windows, and any architectural appurtenances, you are including in your design.
- Put a thin layer of Jointing Mortar in the thickness of 3 to 4 mm on the clean and leveled surface using proper trowel on which the block work is to be carried out.
- Place the block on the laid jointing mortar in proper line and level.
- After placing the first block apply the jointing mortar of the same thickness i.e 3-4 mm for both horizontal and vertical joint of the block.
- Space “mortar boards” about every six feet along the wall, or on each side if the project is small.
- Brush the face of the brick with a foxtail brush to wipe away excess mortar and finish smoothing the joint.
- Continue laying the brick with 3-4mm thickness of jointing mortar until you are levelled with the leads you laid up.

Tirumala Aerated Blocks Pvt. Ltd

Office: 11-2-1069, Bazarghat X Roads Hyderabad - 500004.PH:040-23326887.
Factory: Sy No:550, Ellakatta Village, Farooknagar Mandal, Mahaboobnagar Dist.

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Filling the joint :

- Spread the mortar across the whole surface using the rubber blade of the trowel and work thoroughly into the joints.

Brushing Off :

- After approximately 10-15 minutes, the mortar should have achieved a semi-dry consistency. Don't brush this residual mortar into any unfilled joints.

Useful Tips :

- It should be kept in dry place.
- Keep out of reach of children.
- Avoid inhalation of dust.
- Use proper tools while cutting blocks.
- Tools should be thoroughly cleaned in water to remove excess materials immediately after use.

Technical Information: "ShreeShakthi Jointing Mortar"

PRODUCT INFORMATION

FORM	Dry powder
STANDARD COLOUR	Grey
PACKAGING	40Kg Bags
STORAGE CONDITIONS	Store in a dry place
SHELF LIFE	6 months in unopened manufacturer's packaging

APPLICATION INFORMATION

MIX PROPORTIONS	25 - 25% by Weight
POT LIFE	Approx. 1 Hour
HARD DRY	24 hours
BED THICKNESS	3 - 4 mm
COVERAGE	135 - 150 sq.ft/ 40 kg bag @ 3-4mm bed thickness (100-120mm AAC Blocks)

PERFORMANCE INFORMATION

TENSILE ADHESION STRENGTH	0.5(MV)MPa as per EN 1348 on Concrete block after 28 days
TENSILE ADHESION STRENGTH	0.48(MV)MPa as per EN 1348 on ALC block after 28 days
COMPRESSIVE STRENGTH	> 9N/mm ² after 7 days
ABRASION	425.5 as per EN 12808-2
SELF CURING	Yes, No additional Curing is required



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