



MASTERCOAT **AAC BLOCK ADHESIVE**

is a pre-mixed polymer modified cement-based material with homogeneously mixed of graded sand and compatible special additives specially formulated for laying and fixing of AAC blocks, fly ash bricks, and concrete block. Its a ready to use grey cement non-shrink and self- curing mortar.

<u>TECHNICAL DATA</u>	
TENSILE ADHESION STRENGTH BY PULL OFF TEST ASTM D 7234	≥ 0.8 N/mm²
COMPRESSIVE STRENGTH ASTM C 109 @ 28 DAYS	10 N/mm²
VOC CONTENT ASTM D 6886-12	0.49 G/L
PACKAGING	25 kgs bag
COVERAGE	approx. 25 sq. m. @ 1 mm thickness
WATER DEMAND PER 25 KGS BAG	7.0 liters

MASTERCOAT AAC BLOCK ADHESIVE

Mastercoat AAC Block Adhesive is a ready to use grey cement based non-shrink, self-curing mortar for fixing AAC blocks, fly ash bricks and concrete blocks. AAC Block adhesive is a fast, clean accurate system for construction using autoclaved aerated concrete blocks of close dimensional tolerance with 3mm - 5mm mortar joints.

SPECIAL PROPERTIES:

- Pre-mixed and ready to use, only water to be added.
- Thinner jointing material with high adhesion to contribute to load bearing capacity of masonry.
- Improved 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.

SURFACE PREPARATION:

- The substrate must be clean, sound and free from dust, oil, grease or surfaces
- contaminants.
- Remove any cement laitance, formwork traces and loosely bonded particles.

MIXING:

A mechanical powered mixer and a mixing paddle attached into a slow speed drill is needed to achieve best results .

- Mix 25kg/bag of Mastercoat AAC Block Adhesive with 7.0 liters of clean water.
- Pour the water into a clean mixing vessel.
- Add the powder slowly to the water while mixing continuously for at least 3 mins or until a smooth creamy consistency is obtained.

APPLICATION:

If the substrate is very porous and if the temperature is high, it is advisable to dampen the surface. Do not leave any standing water. Apply a thin uniform Layer of Mastercoat AAC Block Joining Mortar 3 to 5mm thick on the clean & levelled surface of masonry units using proper trowel. 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. Inside unit of the masonry shall be applied with mortar before the next unit is laid & pressed against it. 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.

POT LIFE: 60 minutes

OPEN TIME: 30 minutes

COVERAGE:

Approximately 8.33 sq. m @ 3 mm thick, for 25kgs bag

Note:

The above coverage rates have been given for guidance only as actual usage depends on the substrate conditions.

APPERANCE:

Grey powder

SHELF LIFE:

12 months when stored in dry condition.

SAFETY:

Mastercoat AAC Block Adhesive contains cement, as with any cementitious material, avoid prolonged skin contact.

