

HP AAC BLOCK ADHESIVE

PRODUCTION DISCRIPTION

HP AAC block adhesive is ready to mix prepared blend of carefully raw material Portland cement and graded aggregates and polymers. Designed for use with water to produce high strength mortar, for laying Aerated Light weight concrete, Fly ash bricks, cement hollow blocks, Cellular concrete blocks or smoothing over the block work surface in layers of up to 12mm thickness, that meet and exceed the requirements of national and international standards, which helps in providing mechanical bond as well as excellent adhesion between the blocks.

KEY FEATURES:

- Ready to use just add water.
- Provides Excellent Adhesion between two blocks.
- Reduces the time required for mounting the blocks.
- No curing required after blocks works is done.
- Flexible shocks and impact resistant.
- High strength.
- Improved bond strength, compressive & tensile strength.
- Thin jointing with high adhesion to contribute to load bearing capacity of masonry.
- Long working time.
- Fast & economical.

SUITABLE SUBSTRATES:

- Concrete Blocks.
- Cement Mortar Blocks/Bricks.
- Concrete hollow blocks.
- Aerated Light weight blocks.
- Cellular concrete blocks.
- Fly Ash Bricks.

AREA OF APPLICATION

It is recommended for fixing all type of auto clave aerated concrete (AAC) Block.

- Concrete blocks.
- Cement mortar blocks.
- Concrete hollow blocks and bricks.
- Cellular concrete blocks.

COVERAGE

Approximately, 100sq. ft. per 50kg bag when used 2-3mm bed thickness. Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A general guide line for coverage of mortar is given when used with 25% water added to powder.

The following is the coverage table for wall area in square feet that can be constructed using HP AAC BLOCKS of size 600mm X 200mm X 100MM.

THICKNESS	Coverage for 50kg bag	Coverage for 20kg bag
2 mm	300Sft	120Sft
3 mm	200Sft	80Sft
4 mm	150Sft	60Sft
5 mm	120Sft	48Sft
6 mm	100Sft	40Sft

NOTE: Coverage depends on the substrate evenness and the thickness at which the HP AAC BLOCK adhesive is applied.

SHELF LIFE: Factory sealed bags of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area, at 21°C and 50% RH.

*High humidity will reduce the shelf life of bagged product.

LIMINATIONS:

- Adhesive/mastics, mortar and grouts for ceramic tile, pavers, brick and stone are not a replacement for waterproof membranes. When a waterproof membrane is required, use a **HOME PRIDE** Waterproof Membrane.

CAUTIONS:

- During cold weather, protect finished work from use until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL and WORKING PARAMETERS*

HP AAC BLOCK ADHESIVE mixed with water (70 *F (21 *C)

Appearance	Grey powder
Wet Density	1750kg/m ³
Pot Life	60 minutes
Open Time	25-30 minutes
Tensile Adhesion	Initial > 0.5Mpa,
Strength @ 14 days	after immersion > 1.2Mpa
Compressive	
Strength @ 14 days	> 17.5Mpa
Time to plaster	24 Hours
Time to full dry hard	14 Days
Flexural Strength	3Mpa

DIRECTIONS FOR USE

SURFACE PREPARATION

- Pre wet the blocks to be used for fixing
- The surface for mounting must be thoroughly cleaned of all laitance, loose materials, oil greases etc.
- Ensure that the surface is flat, structurally sound and free from any other contamination which would reduce the bond strength.
- The respective surface should be free from voids, holes and cracks.

MIXING

- Gradually add 3 parts of powder to 1 part of water (by volume) and mix it to smooth, workable paste.
- Do not attempt to extend the pot life by adding more water to the mix.
- After mixing allow the paste to stand for 2-3 minutes for it to mature.

PACKAGING: 20kg & 50kg

COLOUR: Grey

CERTIFICATE: ISI: Type2 Adhesive Meet ANSI: A118.1.

HEALTH & SAFETY: ***HP AAC BLOCK ADHESIVE*** non –toxic. Use of gloves and goggles is recommended. Any splashes to skin or eyes should be waste off with clean water. In the event of prolonged irritation, medical advice should be sought. ***HP AAC BLOCK ADHESIVE*** components are non-flammable

NOTE*: Pot life, open time and adjustability time varies depending on the service condition viz temperature, humidity and wind factor

NOTE*: These test values were obtained during our laboratory tests. Sites mixes may show slight differences in performance due to methods of applications.

DISCLAIMER: Information on this datasheet is to be treated as guideline for usage. Users are advised to undertake a trail for product suitability prior to its full scale usage. There is no express or implied guaranty/warranty for the results. The company is not liable for any consequential damages.