



HIPPO BOND

— Tile & Stone Solutions —

H-12 Block Fix Adhesive Data Sheet

Description

- Hippo Bond Block Fix Adhesive is a semi-premixed, high-quality mortar designed for bonding AAC blocks, concrete blocks, hollow blocks, clay bricks, and fly ash bricks. It is formulated with cement, graded sand, and advanced polymers that deliver excellent strength, water retention, and durability. This adhesive offers a modern alternative to traditional mortar, reducing the joint thickness from 12–18 mm to a sleek 2–3 mm for efficient and precise application.

Specification

- Technical parameters complies with ASTM C 1660-09.

Features & Benefits

- Economical - Save substantial cost compared to conventional mortar
- High tensile adhesion strength at joints
- No shrinkage cracks at joints
- Self-curing
- Thin bed joints
- Ready for subsequent application in 24 hrs
- Saves time - Eliminates lengthy and cumbersome process of site mixing
- Uniform and consistent quality

Areas of Application

- AAAA is recommended during masonry wall preparation for joining all types of Autoclave Aerated Concrete (AAC) blocks and fly ash bricks.



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Method Of Application

Surface Preparation

- Prepare the surface before the application of HIPPO Block Fix Adhesive by removing oil, bond inhibiting agents, dirt, dust and laitance using wire brush.
- Wet the blocks, bricks, concrete blocks before application of HIPPO Block Fix Adhesive to avoid any abrupt absorption of water from the material.

Mixing

- HIPPO Block Fix Adhesive requires 25% potable water by weight of material.
- Add HIPPO Block Fix Adhesive to the measured quantity of water and mix using a mechanical stirrer for 2-3 minutes to ensure a consistency free of lumps.
- Mix only the required quantity of material that can be consumed within the 1 hour pot life and do not add more water than the prescribed water ratio to the already mixed HIPPO Block Fix Adhesive.

Application

- It is recommended to apply Hippo Block Fix Adhesive with a notch trowel to attain a uniform thickness of 3 mm consistently.
- Avoid using AAA in watery consistency (slurry form) so that generation of air voids between the AAC Blocks and development of cracks can be prevented.



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Technical Data

Technical data as per relevant IS and ASTM Standards

Bulk density	1450-1550 kg/m ³
Water powder ratio	25% by weight
Pot life	1 hour @ 27°C
Usable time post application	24 hours
Tensile adhesion strength @ 28 days (EN 1348)	0.75 N/mm ²
Split tensile strength @ 28 days (ASTM C 1660-09)	0.4-0.5 N/mm ²
Compressive strength @ 28 days	6-7 N/mm ²
Coverage/40kg	140 to 150 sqft

Shelf Life

- AAA has a shelf life of 12 months from the date of manufacture. Store in a cool and dry place.



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Note:

- Allow a minimum of 24 hours for subsequent usage. Do not use if temperature is likely to drop below 5°C or exceed 50°C.
- The technical data provided in this technical data sheet is as per lab testing conditions and may vary as per the actual method of application at sites.
- Consult HIPPO Products Division Technical Services Cell for any further technical assistance.

Safety Direction

- AAA is non-toxic. Use of gloves and goggles is recommended. Any splashes to the skin or eyes should be washed off with clean water immediately.
- In case of prolonged irritation, medical advice should be sought. AA is non-flammable.

Other Product Categories

- Tiles adhesive system
- Water proofing products

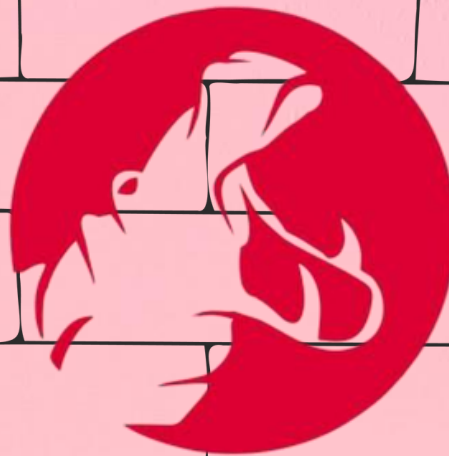


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Areas Of Application

Areas	Application
AAC Blocks	Yes
Hollow Blocks	Yes
Fly Ash Blocks	Yes
Concrete Blocks	Yes



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