



Vetoblock Mortar AAC

Adhesive for autoclaved aerated concrete block

Uses

- For laying internal or external autoclave aerated concrete blocks & panels.
- For laying other types of aerated blocks, or panels.

Product Description

Vetoblock Mortar AAC is a powder adhesive composed of hydraulic binders, bonding agents, selected aggregates, synthetic resins, and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site, which requires only the addition of clean water to produce easily workable mortar. Vetoblock Mortar AAC is ideal for fixing autoclaved aerated concrete blocks & panels.

Advantages

- Factory controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- High Adhesion.
- Good mechanical strength.
- Excellent workability.
- Suitable for internal & external applications.
- Thin bed application providing a gap-less between block conserving the thermal properties of the AAC block wall.

Technical Data

Vetoblock Mortar AAC	Typical Values @ 25°C
Appearance	Grey & White Powder
Maximum Aggregate Size (mm)	0.7
Application Thickness using 60° inclined 6mm notched trowel (mm)	Maximum 5
Dry Density (Kg/L)	1.2 Approx.
Wet Density (Kg/L)	1.5 Approx.
Pot life @ 25°C (Hours)	2
Compressive Strength @ 28 day (BSEN 1015-11) (N/mm ²)	10
Flexural Strength @ 28 day (BSEN 1015-11) (N/mm ²)	1.20
Splitting Tensile Strength ASTM C 1660 using AAC3 (N/mm ²)	0.40
Thermal Conductivity - ASTM C518 (W/m.K)	0.5
Reaction to Fire (EN 13501-1)	CLASS A1

Standards Compliance

- BSEN 998-2 Type T

Usage Instructions

Surface Preparation

The AAC block/panel surface should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc.

Before the Vetoblock Mortar AAC application, wet the entire surfaces with clean potable water, and the surface should look damp at the time of the VetoBlock Mortar application.

Mixing

Add to the mixing container 12.5 - 16 liters of clean water for 50Kg bag of Vetoblock Mortar AAC. Add the powder to the water and mix with a mechanical plaster mixer or low-speed electric drill fitted with a suitable paddle until achieving a uniform, lump-free consistency.

Leave the mixed material to stand for 10min and briefly remix without adding water.

Blend Vetoblock Mortar AAC manually for small quantities and maintain the correct amount of powder to water. Mix for approximately 1-2 minutes, until achieving a homogeneous mix.

Application

Neutralize the suction of the block surface with water before applying mortar. Remove any excess water.

Ensure that the first layer of blocks is fixed properly with perfect alignment.

Spread Vetoblock Mortar AAC with a trowel on the surface and joints where the blocks are mounted.

Apply Vetoblock Mortar AAC in a thin layer to enable the continuity of thermo-insulation of the blocks. Leave a space of about 2cm between the top of the block wall and the slab's bottom or beam to avoid cracks along the wall. Fill this cavity with a compressible material.

If the blocks are laid directly on a floor with possible humidity rising, it is recommended to apply a proper damp course system first.

Cleaning

Clean all tools immediately after finishing by water. Clean the hardened materials mechanically.

Legal Disclaimer

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Packaging & Coverage

Product	Pack Size	Consumption
Vetoblock Mortar AAC	25 & 50 Kg Bag	1.3 - 1.5 Kg/m ² /1mm thickness

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of Vetoblock Mortar AAC has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place, at temperatures between 5°C - 35°C.

Limitations

- After application, avoid rapid evaporation of water that may cause the small superficial fissures appearance due to plastic shrinkage.
- Damp the surface for the initial 48 hours by spraying water and covering it with impermeable sheets. Subsequent plastering may commence after 1 day during summer and preferably after 2-3 days during the winter season.
- Do not expose the product to moving water during application.
- Do not apply the product at a temperature less than +5°C. During the summer season, cover the working area to prevent ill-effects from direct sun.

Health & Safety

Vetoblock Mortar AAC is highly alkaline; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetoblock Mortar AAC is non-flammable.

For further information, please refer to the material safety data sheet.