



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 agent, 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 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 consistent high quality.
- Requires only addition of water on-site at the time of usage.
- High Adhesion.
- Good mechanical strength.
- Excellent workability.
- Suitable for internal & external applications.

Standards Compliance

- BSEN 998-2 Type T

Technical Data

Vetoblock Mortar AAC	Typical Values @ 25°C
Appearance	Grey & White colour Powder
Aggregate size	1 mm max
Application thickness	3 - 10 mm
Dry Density (kg/Liter)	1.40 approx.
Wet density (Kg/Liter)	1.70 approx.
Pot time @ 250°C	1 hour
Compressive Strength @ 28 day (BSEN 1015-11)	10 N/mm ²
Flexural Strength @ 28 day (BSEN 1015-11)	1.20 N/mm ²
Splitting Tensile Strength ASTM C 1660 using AAC3	0.40 N/mm ²

Usage Instructions

Substrate Preparation

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

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

Mixing

Add to the mixing container 12.5 - 15.0 litres of clean water for 50 Kg 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 for 3-4 minutes, until a uniform, lump-free consistency is achieved.

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

Manual mixing is allowed for small batch quantities by mixing for approx. 1-2 min, or when homogenous mix is achieved.

Application

Neutralize the suction of the block surface with water before applying mortar. Any excess water should be removed.

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

The Vetoblock Mortar AAC is spread with trowel on the surface and joints where the blocks are to be mounted.

Vetoblock Mortar AAC should be applied in a thin layer to enable the continuity of thermo-insulation of the blocks. Leave a space of about 2 cm between the top of block wall and the bottom of slab or beam in order to avoid formation of cracks along the wall. This cavity should be filled with 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

All tools should be cleaned immediately after finishing by water. Hardened materials can be cleaned mechanically.

Packaging & Coverage

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

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

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Shelf Life & Storage

Original sealed bags of Vetoblock Mortar AAC has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°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 winter season.

The product should not be exposed to moving water during application.

Do not apply the product at temperature less than +5°C. During summer season the working area must be covered 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 eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Vetoblock Mortar AAC is non-flammable.

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