Cemfix BCA

Lightweight block thin laying cementitious mortar

Description

Cemfix BCA is a ready mixed thin laying cementitious mortar specially designed to fix autoclaved aerated concrete (AAC) blocks internally and externally.

Cemfix BCA composed of blend of cement, well graded aggregate and special polymers that when mixed with water produced a thixotropic mortar with improved open time and weather resistance to be applied at thicknesses up to 5 mm.

Applications

⚐ For permanent fixing of all types of lightweight blocks.
⚐ Can be used internally and externally.
⚐ Non sag, can be used for vertical and horizontal surfaces.

Advantages

⚐ Provides excellent adhesion strength.
⚐ Ready for use, just requires the addition of water.
⚐ Suitable for internal and external application.

Standards

Cemfix BCA complies with EN 998-2 as a thin layer masonry mortar (T).

Method of Use

Blocks Condition

All used blocks must be checked to be clean and free from oil or any loose materials. It is recommended to wet the used blocks before the application of the adhesive, especially in hot and dry conditions.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

6.3 - 6.7 litres of clean water for each 25 kg bags should be added to clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm).

Mixing time should be continued for 3minutes until a uniform consistency is obtained.

Technical Properties @ 25ºC:

Colour:	Grey or white
Fresh wet density:	1.75 ± 0.10 g/cm^3
Pot life:	2 hr
Bulk density: EN 1015-10	1.3 ± 0.1 g/cm^3
Compressive strength: EN 1015-11	≥ 10 MPa @ 28 days Class M10
Flexural strength: EN 1015-11	≥ 2.5 MPa @ 28 days
Capillary water absorption coefficient: EN 1015-18	≤ 0.25 kg/m^2.min$^{0.5}$ Class W1
Water vapour permeability coefficient: EN 1015-19	≤ μ 15
Bond adhesion strength to concrete: EN 1015-12	≥ 0.6 MPa (cohesive failure in the mortar)
Bond adhesion strength to AAC Blocks: EN 1015-12	≥ 0.4 MPa (cohesive failure in substrate)
Fire index: EN 998-2	Class A1
VOC: ASTM D2369	< 5 g/ltr

Application

⚐ Spread to a uniform thickness of 3 - 5 mm.
⚐ Place blocks firmly over the applied area.
⚐ Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Cemfix BCA is available in 25 kg bags.

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Yield

Approximately 5.3 m² per 25 kg bag for 60 x 30 x 25 cm blocks and 3.8 m² per 25 kg bag for 60 x 20 x 25 cm blocks @ 3 mm thickness.

Storage

Cemfix BCA has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 40°C in original unopened bags.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

Cemfix BCA may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Cemfix BCA is nonflammable.

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