

Cemfix AAC

Lightweight block thin laying cementitious mortar with water resistance



Description

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

Cemfix AAC is 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

- ▲ Extended open - wet time.
- ▲ Water resistant, will not be affected in wet areas.
- ▲ Ready for use, just requires the addition of water.
- ▲ Non sag.
- ▲ High bond strength.
- ▲ Suitable for internal and external application.

Standards

Cemfix AAC complies with ASTM C270, Type N Masonry Mortar.

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.

6.25 - 6.75 litre for each 25 kg bags of clean water 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).

Technical Properties @ 25°C. W/P: 0.26:

Colour:	White or grey
Fresh wet density (mixed):	$1.75 \pm 0.1 \text{ g/cm}^3$
Open time:	$\geq 15 \text{ min @ 3 mm thickness}$
Pot Life:	2 hr
Compressive strength: ASTM C109-109M-02	$\geq 5.2 \text{ MPa}$
Water retention: ASTM C1506	$\geq 90\%$
Air content: ASTM C91	$\leq 20\%$

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

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 finishing by water. Hardened materials can be cleaned mechanically.

Packaging

Cemfix AAC is available in 5 and 25 kg bags.

Yield

Approximately 6.3 m^2 per 25 kg bag for 60 x 20 x 15 cm blocks @ 3 mm thickness.

Storage

Cemfix AAC shelf life is 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

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

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Cautions

Health and Safety

As Cemfix AAC contains Portland cement and sand, Cemfix AAC 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 AAC is nonflammable.

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- ▲ Flooring systems.
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- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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