

TILE ADHESIVE & COLOR GROUT SERIES

301 AMERICAN MORTAR ADHESIVE

ALC THIN JOINT MORTAR

- High adhesion
- Water resistance
- Highly workable
- Speedy installation of ALC block wall
- Good rendering
- Reduce shrinkage cracks
- Environmental
- Good floor screeding

US MIRACLE 301 American Mortar Adhesive is a high strength cement based water resistant dry set mortar for the masonry of Aerated Lightweight Concrete (ALC) blocks and block wall surfaces rendering. It is designed for filling of vertical and horizontal joints for ALC wall system, 2 - 3mm thickness is sufficient for installation of ALC blocks.

USAGE

- For thin jointing of ALC block and panel wall.
- For interior rendering.
- For exterior rendering.

COMPLIED STANDARDS

- Hong Kong Standard: HKHA/MTS(00/02):Part D:C1.2.1.15 Method 1
- British Standard: BS 6319:1983
- American Standard: USEPA Method 24
- French Standard: French VOC label A+ class

SURFACE PREPARATION

The substrate must be stable and cleaned from any kind of remnants, loose particles, dust, grease, etc and impurities should be removed from ALC block surfaces.

MIXING

25 kg / bag powder mix with approximately 5.5 - 6 kg of clean water. Using an electric mixer to mix the product until a homogenous mixture is achieved. Stir the mixture thoroughly for 3 - 5 minutes to obtain a creamy paste without lumps. The mixture is ready to use after stand for 5 minutes and mix again for 30 seconds before using.

APPLICATION

Masonry for ALC blocks:

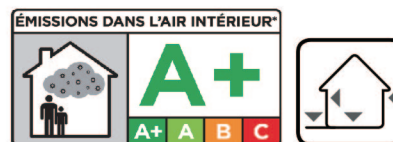
Use proper sized notch trowel to ensure 100% fully coverage under the blocks. Using flat side of trowel, apply US MIRACLE 301 American Mortar Adhesive to the joint surface and build up for required thickness approx 2-3mm.

Interior or exterior rendering:

Apply the mortar by hand to meet the required thickness. For clean, flat and smooth ALC block wall surfaces, US MIRACLE 301 American Mortar Adhesive can be applied directly on ALC block wall surface for plastering without spatterdash.



GRAY ●



CURING

US MIRACLE 301 American Mortar Adhesive has excellent water retention properties, water curing is normally unnecessary. Water curing is only required under extremely hot or dry condition.

TECHNICAL DATA

Compressive Strength at 28 Days	23 MPa
Flexural Strength at 28 Days	5 MPa
Bond Strength to ALC at 28 Days	0.5 MPa
Pot Life	Approx. 1 hour
Coverage	Approx. 1.3kg/m ² /mm
Packaging	25 kg/Bag
Shelf Life	12 Months

The information detailed in this datasheet is liable to modifications from time to time in the light of experience & normal product development. To the best of our knowledge, the technical data contained herein are true. Because it is not possible to give specific instructions for various site conditions or control the applications. We reserve the right to modify the information detailed in this datasheet.

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