

## UniMortar 300

### Cement-based, masonry pre-blended laying mortar

#### Description

**UniMortar 300** is a cement-based, factory pre-blended mortar in powder form. When mixed with the correct quantity of water, it provides a high-quality thixotropic mortar suitable for fixing all types of blocks and bricks.

#### Features and benefits

- Ready to use. Just requires the addition of water.
- Suitable for internal and external applications.

#### Recommended for

**UniMortar 300** is especially formulated to replace traditional site mix sand/cement mortar. It is used as a brick laying mortar for different types of masonry bricks, blocks & lightweight aerated blocks and engineered cementitious blocks. It can also be used as a thick bed tiles' adhesive mortar, walls and ceilings render and floor screed.

#### Composition

**UniMortar 300** is composed of high strength Portland cement, selected well graded fillers and compound of selected chemicals to improve workability and reduce shrinkage cracking.

#### Packaging

**UniMortar 300** is available in 25 & 40 kg bags.

#### Coverage

Approximately 14 liters/25 kg bag.

#### Technical data

Powder density	1.6 kg/liter
Compressive strength	10 N/mm <sup>2</sup> after 28 days
Shear bond strength	3 N/mm <sup>2</sup> after 28 days
Pot life	60 minutes @ 20°C

#### Note:

**UniMortar 300** contains 300 kg of Portland cement/m<sup>3</sup>. Different types of UniMortar with different cement contents are available to meet projects' specification.

#### Blocks condition

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

#### Mixing

Mortar consistency can be obtained by mixing a 25 kg bag of **UniMortar 300** with approximately 5 - 6 liters of clean water. For best results, use as little water as possible and mix to give a workable consistency.

Mix mechanically in a suitable batch mixer. A slow speed drill fitted with suitable mixing paddle can also be used.

Add the contents of **UniMortar 300** bag to the mixing water slowly while mixing. Mix for 5-10 minutes until a homogeneous mortar consistency is achieved. Do not over mix.

MIX AND USE. Mix material that can be applied within 60 minutes (pot life).

#### Application

**UniMortar 300** can be applied as a brick laying mortar by hand application immediately after mixing. Spread to a uniform thickness of 15 - 25 mm of **UniMortar 300** using a trowel.

Place blocks firmly over the applied area.

For other applications, please consult ACC Technical Department.

#### Curing

As with all cement-based products, good curing is very important to ensure that the optimum characteristics are obtained. Always cure with tap water for at least 2 – 3 days. Begin curing as soon as the final setting is achieved. The applied areas should be protected from direct sunlight and heavy wind. In cold, humid or unventilated areas, it may be

necessary to leave the application for a longer curing period.

## Cleaning

Clean tools with water immediately after use. Hardened materials should be cleaned mechanically.

## Storage and shelf life

To maintain its quality and suitability for use, the product should be stored in its unopened packaging, off the ground on pallets or similar structures, in a cool and dry environment. When stored under these recommended conditions, the product remains suitable for use for 12 months from the manufacturing date stated on the packaging.

## Health and Safety

This product contains cement which may cause skin irritation. It may cause allergic skin reaction and eye damage. Avoid breathing dust. Wear protective gloves, eye goggles and clothing. In case of skin contact, wash with plenty of water. In case of eye contact, rinse continuously with water for several minutes and seek medical attention. Dispose excess material to special waste collection point in accordance with local & national regulation. Keep out of reach of children.

For further information, please ask for Safety Data Sheet for this product.

***The most up-to-date TDS can be obtained from ACC Customer Service Department, or downloaded from our website: [www.acc.com.eg](http://www.acc.com.eg).***

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- Putties (stucco).
- Sealers & Emulsion Paints.