

## UniFix® 308

**Two component, cement-based, polymer modified, tile adhesive mortar**

### Description

**UniFix 308** is a two component, cement-based, polymer modified, thin bed, tile adhesive mortar. **UniFix 308** forms a high-performance tile adhesive mortar with unique workability properties, water retention, adhesion and deformability.

### Features and benefits

- Exceptional mechanical strengths.
- Good anti sagging properties.
- Excellent performance in submerged conditions.
- Highly deformable.
- Excellent workability with long open time.
- Can be used as thin bed adhesive mortar up to 8 mm thickness.
- Exceptional bond strength between all types of tiles and all common construction substrates.

### Recommended for

**UniFix 308** is ideal for fixing large size ceramic, porcelain and decorative mosaic tiles. It is also used for fixing normal size marble tiles without mechanical fixation. **UniFix 308** can be used for fixing internal & external walls and floors tiles.

It may be used to fix ceramic tiles onto old ceramic tiles' surfaces.

The ideal substrates are concrete, cement-based screeds & renders, old ceramic and terrazzo tiles. It is used also on drywall such as gypsum boards and plaster boards. **UniFix 308** is highly recommended for fixing tiles in the following areas:

- Submerged conditions (such as swimming pools and water tanks).
- Wet areas (such as bathrooms, shower rooms, kitchens and balconies).
- Heavy foot traffic areas (such as classrooms and institutes).

### Composition

**UniFix 308** Powder is composed of high strength Portland cement, well graded silica sand, mineral charges and compound of chemicals to improve workability. **UniFix 308** Liquid is synthetic polymer modified latex.

### Packaging

**UniFix 308** is available in 25 kg double pack (20 kg/bag powder + 5 kg/jerrycan liquid).

### Coverage

4 kg/m<sup>2</sup>.

#### Note:

Coverage rate takes no account of wastage and may vary according to surface condition and application method.

### Technical data

Mixed density	1.75 kg/liter
Compressive strength	>4.5 N/mm <sup>2</sup> 3 days
	>5 N/mm <sup>2</sup> 7 days
	>6 N/mm <sup>2</sup> 28 days
Bond strength	>0.75 N/mm <sup>2</sup> 3 days
	>2.4 N/mm <sup>2</sup> 7 days
	>3 N/mm <sup>2</sup> 28 days
Pot life	90 minutes @ 20°C
Colors	Grey - white

### Surface preparation

Substrates should be clean, sound, and free from any contamination. Remove any traces of curing compound, laitance, organic growth or any other loose materials. It should be sufficiently cured so that any shrinkage has already occurred. Rough or un-even surfaces should be made flat to provide a wood float finish. Blow-holes and depressions shall be filled with a scrape coat of **UniFix 308**. Wash the substrate with clean water. Ensure that the substrate is damp but not wet at the time of application. Ensure that the tiles are dry at the time of application.

### Mixing

**UniFix 308** mortar can be obtained by mixing 20 kg bag of **UniFix 308** Powder with 5 liters of **UniFix 308** Liquid. Mix using slow speed drill fitted with suitable mixing paddle or a high shear stationary mixer. Add **UniFix 308** Liquid into clean container and then add **UniFix 308** Powder slowly while mixing. Mix for 3-5 minutes till a fully homogeneous, lumps free, mortar consistency is achieved. Leave the paste for 3 minutes before use to get the best action of the chemical ingredients in **UniFix 308**. Re-mix for 2 minutes. MIX AND USE. Mix material that can be applied within 90 minutes (pot life). Partial small amounts may be mixed manually using suitable hand tools.

### Application

Apply **UniFix 308** evenly on the substrate at application thickness between 3 and 8 mm. Apply mortar over areas up to 1 m<sup>2</sup>.

**UniFix 308** may also be applied on the back of the tiles to ensure full adhesive contact. Press tiles firmly into place and gently adjust the level by twisting slightly within 15 minutes during the adhesive open time. Leave 2 mm minimum width around the tiles (or as per design). Ensure proper distribution of the mortar, at least 85%, to the back of the tile. Check periodically to ensure proper transfer by lifting tiles occasionally. Clean the face of the tiles with damp sponge while the mortar is still fresh.

### Grouting

Grouting of the tile joints can be made after 24 hours minimum using **UniGrout 333/350** (according to joint width).

### Cleaning

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

### Storage and shelf life

If stored unopened in a dry place at a temperature between +5°C and +30°C away

from sources of heat and moisture, shelf life is 12 months from the date of manufacture printed on the pack.

### Health and Safety

**UniFix 308** Powder 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.

**UniFix 308** Liquid is not considered dangerous according to the current regulation regarding the classification of mixtures. 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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- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.