

UniFix® 320

Cement-based, thick bed tile adhesive mortar

Description

UniFix 320 is a cement-based, polymer modified, thick bed tile adhesive mortar. When mixed with the correct quantity of water, it provides adhesive mortar with unique workability properties, water retention and adhesion.

Features and benefits

- Easy to use, factory pre-blended, only add water and mix.
- Good adhesion bond strength.
- Fast application compared to jobsite mix traditional mortar.
- Can be applied at thickness from 10 mm to 30 mm.

Recommended for

UniFix 320 is ideal for fixing normal sizes ceramic tiles. It is also used for fixing wide range of tiles such as terrazzo tiles, natural stone cladding and quarry tiles.

UniFix 320 can be used internally for fixing wall and floor tiles and externally for fixing floor tiles.

The ideal substrates are: concrete, cement-based screeds and renders. Main application areas include bathrooms, shower rooms, kitchens and balconies.

Composition

UniFix 320 is composed of high strength Portland cement, well graded silica sand, mineral charges and compound of chemicals to improve adhesion and workability.

Packaging

UniFix 320 is available in 25 kg bags.

Coverage

Approximately 18 kg/m²/10 mm.

Note:

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

Technical data

Powder density	1.8 kg/liter
Compressive strength	>28 N/mm ²
Tensile strength	>3.5 N/mm ²
Flexural strength	>8 N/mm ²
Pot life	60 minutes @ 20°C
Colors	Grey - White

Surface preparation

The recommended substrates are: concrete, engineered concrete blocks and masonry block walls. 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. 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 320 mortar can be obtained by mixing 25 kg bag of **UniFix 320** with 5.5±0.25 liters of clean water. If exceptional performance of **UniFix 320** is required (i.e., submerged and external application...etc.), mix 25 kg bag of **UniFix 320** with 2.0 liter of **UniBond LX** and enough quantity of water till you reach the right mortar consistency.

Add the mixing liquid into clean container, and then add the **UniFix 320** powder while mixing. Mix using slow speed drill fitted with suitable mixing paddle or a high shear stationary mixer. Mix for 3-5 minutes till a fully homogeneous mortar consistency is achieved. MIX AND USE. Mix material that can be applied within 60 minutes (pot life). Partial small amounts may be mixed manually using suitable hand tools.

Application

Do not apply **UniFix 320** in direct sunlight or if the ambient temperature is below 5°C. Avoid exposure to rain, wind or direct heat which may impair the setting of the tile adhesive.

The use of solid bed application technique is the recommended applications technique. Apply mortar over areas up to 1 m².

UniFix 320 mortar may also be applied on the back of the tiles to ensure full adhesive contact.

For vertical application, apply **UniFix 320** mortar evenly over the walls to be tiled at application thickness between 10 and 30 mm. For horizontal application, apply **UniFix 320** mortar to the concrete floor then place the tile in place.

Press tiles firmly into place and gently adjust the level by twisting slightly within 5 minutes. 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

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.

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- Waterproofing.
- Flooring.
- Tile Adhesives & Grouts.
- Concrete Repair.
- Non-Shrink Grouts.
- Bonding Agents.
- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.