

UniFill 115

Cement-based crack filler putty

Description

UniFill 115 is a single component, cement-based, polymer modified crack filler putty. When mixed with water it provides a highly consistent, smooth, fine paste with unique workability properties.

Features and benefits

- Factory pre-blended. Constant quality with exact mixing ratios.
- Excellent resistance to different weather conditions. Suitable for internal and external applications including coastal areas.
- Excellent adhesion to smooth cement-based substrates (including fair face concrete).
- Better compatibility with the cement-based render and concrete substrates.
- Excellent non-sagging properties.
- Shrinkage controlled and easy to use. Only mixing with water is required.
- Can be applied to 7 days old cement-based substrate.

Recommended for

UniFill 115 is used for filling static cracks in walls and ceilings. It is ideal for interior and exterior applications prior to using cement-based coatings, wall paper, emulsion and oil-based paints.

Composition

UniFill 115 is composed of high strength Portland cement, well-graded fillers and a compound of selected chemicals to improve adhesion and workability.

Packaging

UniFill 115 is available in 25 kg bags.

Coverage

1.5 kg/liter.

Technical data

Mixed density	1.5 kg/liter
Compressive strength	>20 N/mm ²
Tensile adhesion strength	>0.5 N/mm ²
Pot life	90 minutes @ 20°C
Colors	Grey - White

Surface preparation

Substrate to be treated must be clean, sound, dust free and un-contaminated. Deep blowholes and surface defects should be filled with suitable repair mortar. Wash the substrates with clean water and remove any excess water at the time of application.

Following the crack, create a V-notch by removing the render along both sides of the crack, cutting at an angle until you see the substrate.

Open up the V-notch so that it is approximately 1/4" to 1/2" wide at the opening and as narrow as possible next to the substrate material. If the render around this area is delaminated, you can complete any reattachment at this point. Vacuum out the crack, then carefully remove additional debris and dust with a small hand broom or paint brush.

When you're ready to infill the crack, thoroughly wet the V-notch inside.

Mixing

UniFill 115 paste can be obtained by mixing a 25 kg bag with approximately 8-9 liters of clean water. Mix mechanically using slow speed drill fitted with suitable mixing paddle or mechanically powered mixer. Small quantities can be hand mixed using suitable hand tools. Add the content of **UniFill 115** bag to the mixing water slowly while mixing. Mix for 3 minutes until homogeneous paste consistency is obtained. Let the mixture stands for 5 minutes and re-mix for 2 minutes. MIX AND USE. Mix material that can be applied within 90 minutes (pot life). **UniFill 115** may stiffen on

standing. Re-mix it to regain workable consistency but do not add more water.

Application

Scraper or putty knife may be used to spread **UniFill 115**. Apply in layers between 1 mm and 5 mm. For deep surface cracks, above 5 mm, build up in layers allowing each layer to dry between applications. Press **UniFill 115** well into crack. It is best smoothed while wet. If a perfectly smooth surface is required, use **UniPutty 100** over the filled crack. Allow to dry and sand to a perfect smooth finish.

Curing

As with most cement-based mortars, good curing is important. Special attention is required in hot weather and / or in windy conditions. Protect from rain until final setting is complete. Always cure with tap water. The use of curing compound is not advised. Fog-spray all applications with clean water after the initial set is achieved for 3 days.

In cold, humid or unventilated areas, it may be necessary to leave the application for a longer curing period or to provide adequate ventilation.

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.

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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.