

Acrylicon Industry Repair Kit



Description and Uses

The Acrylicon Industry Repair Kit is a 2-component resin mortar used for making quick but permanent repairs to holes, cracks, delamination or surface patches on any resin floor, tiled floor or concrete substrate.

It is designed to withstand heavy duty mechanical stress, be self-priming and self-sealing, be used internally and externally and fully cure in 60 minutes. Once cured, the product is non-porous, hygienic and exceptionally strong. Can be used in food facilities, beverage and brewing Industries, public spaces, hospitals, kitchens, Pharmaceutical facilities, warehouses, aircraft hangers or taxiways, external loading bays and concrete structures.

Specification

Product	Acrylicon Industry Repair Kit - Preparatory work and application in accordance with suppliers instructions.
Finish	Matt
Colour	Standard grey colour. Pigments can be purchased on request to match existing floor colour.
Supplier	AcryliCon Polymers GmbH (Germany)

Please visit our website www.acryliconpolymers.com to find your nearest AcryliCon office.

Key Features and Benefits

-  Exceptionally strong repairs for Concrete, Tiles, Resin Floors and Kerbing
-  1 hour cure time - Fast DIY repairs causing minimum downtime.
-  Low emissions - our products are solvent-free and contain very low VOC's.
-  Easy to use – simply mix, fill and smooth. No priming or sealing.
-  Long shelf-life – great to have in stock for emergencies or audits.
-  Ideal to fill in patches, cracks, potholes or level uneven surfaces.
-  Non-cementitious – can be safely used in Hygiene Facilities and Food Safe environments.

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Properties and Application

The Acrylicon Industry Repair Kit consists of a 15kg bag of pre-blended fillers, mortar and aggregates, with a 2kg solvent free hardener resin. The pot life at normal temperatures is about 12 – 14 minutes. The hardening time is about 1 hour at +20 °C, and hardening takes place in temperatures ranging from -5 °C to +35 °C. Consumption rate for 1 kit will cover 2m.sq. at 4mm thick.

1. Clean and dry area to be repaired.
2. Mix Repair Mortar with Hardener Resin in a bucket for approx. 2 minutes.
3. Apply mix to hole or patch.
4. Smooth area with a trowel.
5. Allow to cure for 1 hour.



Technical Information

Compressive Strength EN196-1 (DIN1164), ASTM C349	83 - 105 N/mm ² 12,038 - 15,230 psi
Flexural Strength EN 196-1 (DIN1164) / ASTM C348	27.5 - 37 N/mm ² 3,990 - 5,437 psi
Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m ² .h ^{0.5})
Tensile Adhesion Strength DIN / EN 1542:1999	Concrete: >2.0 MPa
Temperature Resistance	Tolerant of sustained temperatures up to 65°C/149°F
Abrasion Resistance EN ISO 5470-1 (Taber)	<1000 mg (average mass loss)
Chemical Resistance EN13529	Excellent
Fire Class EN 13501-1	Bfl - s1

The technical properties of the Acrylicon system are evaluated to EN, ASTM or ISO standards and the results are average values, delivered under proper installation procedures and recommended conditions.

Disclaimer

This information and all further technical advice is based on intensive research and many years experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make technical alterations during the course of further development. The customer is not released from the obligation of checking our data and recommendations for the suitability of their own particular application. Performance of the product described herein should be verified by testing, which we recommend be carried out only by qualified experts and is the sole responsibility of the customer.