



ARDEX RA 140 E

Epoxy Injection Resin Crack Repair

For repair and filling of cracks and voids

Very low viscosity and easy to penetrate

Very high compressive strength and flexural strength

For internal and external application



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DESCRIPTION

ARDEX RA 140 E is a 2 part epoxy resin advent free, low viscosity injection grout for repair of honeycomb, voids and cracks in concrete. The product can be injected into the hairline cracks by the grout injecto kid which is also available. ARDEX RA 140 E is formulated to have higher mechanical strength than concrete. It restores the concrete to its full strength.

APPLICATIONS

- Repair of cracked concrete, to restore its original monolithic strength
- Filling of voids and honeycombs in concrete to restore the desired strength
- Repair of cracks resulting from non-repeating movement such as stress relief, temporary overload
- Consolidation of friable rock or stone, such as restoring structural members in older buildings

FEATURES & BENEFITS

- Low viscosity and flowable
- High compressive strength
- Completed, user friendly system
- High flexural strength
- Excellent adhesion to concrete

SURFACE PREPARATION

Remove skim coat or plaster to expose the concrete surface. Dirt in the crack shall be removed by blow drying compressed air into the cracks. Seal the crack surface by applying ARDEX RA 242 thixotropic epoxy based bedding compound along the crack line and allow it to harden.

Install grout injection nipples along the crack line, at interval of 3 grout injecto nipples per metre.

APPLICATION

Add all the hardener pack to the base and thoroughly mix the two components together. Fix the mixed ARDEX RA 140 E into the grout injection cartridge and connect them to the nipples by means of the rubber bands provided.

The appropriate pressure, built up by the rubber bands, will ensure that the epoxy resin fills the crack completely.

CURING

After the injected ARDEX RA 140 E has cured, remove the grout injecto nipples. Remove the surface seal by grinding or other means. Patch up the unevenness along the surface of the repair cracks. The repaired surface can be painted to match the colour scheme of the existing substrate.

CLEANING

Use cleaning solvent immediately after application is completed.

COVERAGE

Each 1kg set is sufficient to fill approx. 1m² at 1mm thickness.

TECHNICAL DATA

Colour	amber
Specific Gravity	1.02g/cm
Flash Point	200°C
Viscosity	18 poise 25°C
Pot Life	50 minutes @25°C
Teck free time	8 hrs @25°C
Mechanical properties:	
Compressive Strength	70N/mm ² (7 days)
Flexural Strength	68N/mm ² (7 days)
Adhesion to damp concrete	Excellent
Modules of Elasticity in tension	2000N/mm ²

PACKAGING

ARDEX RA 140 E is available in 1kg pack and 12kg pack.

STORAGE AND SHELF LIFE

ARDEX RA 140 E should be stored away from direct sunlight or heat before using as heat will shorten the pot life. If stored correctly, as detailed above, the shelf life of this product is 12 months.

SAFETY PRECAUTIONS

The product should be handled with care and should

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not be allowed to remain in contact with the skin. In the event of contamination, the effected parts should be washed with water. If there is contact with the eye, flush with water and contact a doctor. Wear protective gloves. When used in confined areas, provide accurate ventilation. Equipment should be properly disposed. Keep the product out of the reach of children. The SDS is available upon request and online at www.ardex-quicseal.com

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for user's consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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