

OVERVIEW

TERRACO Epirok RC 2-K is a two component, solvent free, epoxy based repair compound designed for filling of cracks up to 5mm wide, repairs of blow holes and damaged concrete and as a levelling scraper coat.

PROPERTIES

TERRACO Epirok RC 2-K is formulated from a combination of selected epoxy resins, modified hardeners, specially selected fillers. The product has the following properties:

- Solvent free.
- Easy to use.
- Long pot-life.
- Can be sanded to a smooth finish.
- Resistant to chemicals.
- Abrasion and impact resistant.
- No slump.

AREAS OF USE

TERRACO Epirok RC 2-K is ideally suited for all damaged areas that will be over coated with an epoxy coating or screed.

This includes:

- Internal vertical and overhead surfaces.
- Internal damaged joints and damaged concrete floors.

PREPARATION OF SURFACE

Ensure that old concrete surfaces, in particular substrates in contact with the ground, have not absorbed excess moisture and has a moisture content of less than 5%. Also ensure that any loose, cracked, damaged or contaminated concrete is removed by grit or sand blasting. The damaged concrete around the exposed reinforcing bars should be broken out around the full diameter and cleaned by grit or sand blasting before priming with a corrosion inhibiting primer. In case of large area repairs, always saw-cut into the damaged area of the substrate and remove approximately 10mm of damaged concrete. Concrete should be primed using TERRACO Epirok EP1.

PRIMING

Refer to TERRACO EPIROK EP1 technical data sheet.

APPLICATION & CLEANING OF TOOLS

Decant the TERRACO Epirok RC 2-K Component A (Resin – White) and TERRACO Epirok RC 2-K Component B (Activator – Black) onto an impervious board or smooth flat metal sheet. Mix the two components thoroughly with a trowel or scraper with an overlaying method until a uniform grey colour is achieved.

There must be no striations of black or white in the product after mixing.

Apply the paste to the substrate that requires repairing, using a steel trowel or scraper.

Allow to set-up and then float to a smooth finish.

Allow to cure overnight then sand level any visible protruding trowel or scraper marks.

Use outdoors only if the repairs will be over coated with a UV stable epoxy or polyurethane system.

The compatibility of systems other than the Terraco Epirok range must be tested prior to full scale application.

TERRACO Epirok RC 2-K can be mixed in 1:1 ratio by volume for minor repairs only. Full kit blending is recommended for larger repairs or levelling.

Equipment should be cleaned using TERRACO Terrasolve No.1.

HEALTH & SAFETY

Always wear protective clothing when handling chemicals e.g. gloves, respirators or particle dust masks, protective overalls and safety shoes. For detailed information refer to the relevant Material Safety Datasheet.

PACKAGING & STORAGE

TERRACO Epirok RC 2-K Component A – 4 litre plastic bucket – Contents 2.930 kg.

TERRACO Epirok RC 2-K Component B – 4 litre plastic bucket - Contents 2.730 kg.

Mixed Yield: 4 litres. Mixed Density : 1.415

TERRACO Epirok RC 2-K should be stored in a clean, dry area, protected from direct sunlight and between 20°C and 30°C. Unopened containers can be stored for 12 months. Use oldest material first.

TECHNICAL DATA

Product	High strength, impermeable, chemical resistant concrete repair compound.		
Binder	Low viscosity epoxy resins and modified aliphatic amines.		
Additives	Inert fillers.		
Drying Time	Surface dry: 8 hours. Ready to step on: 24 hours. Full Cure: 7 days.		
Pot Life @ 30°C	50 minutes.		ASTM D 2471
Temperature limits	Do not apply below 5°C or above 35°C.		
Adhesion to Concrete	2.5 N/mm ² .	ASTM D 4541:02	Note: Failure occurred within the concrete substrate.
Chemical Resistance	pH 2.5 with H ₂ SO ₄ .	: No change (after 48 hours)	ASTM D 543
	pH 11.0 with NaOH.	: No change (after 48 hours)	ASTM D 543
	NaCl 3%.	: No change (after 48 hours)	ASTM D 543
	Solvent acetone.	: No change (after 48 hours)	ASTM D 543
	Oil (lubricating oil).	: No change (after 48 hours)	ASTM D 543
	Note: Blistering, loss of gloss, discolouration, swelling etc. were not observed.		
Material Consumption	1 litre / m ² (@ 1mm thickness). Mixed Density : 1.415		
Packaging	TERRACO Epirok RC 2-K Component A – 4 litre plastic bucket. Contents 2,930 kg TERRACO Epirok RC 2-K Component B – 4 litre plastic bucket. Contents 2,730 kg		
Storage	12 months in original unopened containers, when stored between 20 - 30°C.		

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

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