

## CRACK REPAIR EPOXY

**PRODUCT CODE:** 3530 Red 300cc - 3531 – Grey 300cc

**DESCRIPTION:** **Crack Repair Epoxy** is a 2-part thixotropic epoxy adhesive. It may be used in film thicknesses between 0.2mm and 12mm. **Crack Repair Epoxy** is specifically formulated for repairing fine cracks in brick, block, stone, concrete or masonry.

**SPECIFIC USES:** High strength cosmetic repair gap filling adhesive. Low pressure crack injection. Colours available are Stone Grey and Brick Red.

**PACKAGING:** 300cc **Crack Repair Epoxy** is supplied in two screw cap containers, one contains the base resin the other contains the curing agent. Included is a follower plate, empty cartridge, adaptor nozzle and a flexible polymer tip.

*Mixing knife Ref:3642. 400cc Skeleton Gun Ref:3667. Available from Rotafix.*

**PREPARATION OF SUBSTRATE:** Cracks and fissures should be treated by air blower or vacuum in order to remove loose or friable dust. For detailed information on injection techniques and preparation, consult our Technical Bulletin CR3 and Technical Information Sheet ref C1093/3.

**MIXING:** Add the total contents of the smaller container (hardener) to the contents of the larger container (base). Mix the two pastes thoroughly, ideally using mixing knife reference: 3642. Place the follower-plate onto the surface of the mixed material ensuring it fits parallel in the tub with the outer and central lip pointing upwards. Place the back end of the cartridge vertically and centrally over the hole in the follower-plate. Press the cartridge firmly and continuously down on the follower-plate until the follower-plate bottoms on the mixing tub base. Carefully remove and invert the now full cartridge. Assemble the nozzle adaptor and nozzle onto the cartridge and insert the rear plunger.

**APPLICATION AND EQUIPMENT:** **As the material cures quickly its imperative that all preparatory work is completed prior to mixing the Crack Filling epoxy.** Install the full cartridge of **Crack Repair Epoxy** into skeleton gun reference:3667. Inject the crack repair material directly into the base of the crack and work outwards filling the crack completely. Immediately remove any excess with a damp lint free cloth. If necessary brick dust can be applied to improve colour match with substrate when the epoxy is tacky. Do not mix brick dust with crack filling material or you may have problems dispensing it. The material will continue to cure in the cartridge so please sure you have exhausted all the material necessary within the cure schedule. Please dispose carefully any waste material.

**CURE SCHEDULE:**

Workability:	Cure Schedule*	Ambient Temp
60-80 minutes	10-12 Hours	10°C
20-30 minutes	4-6 Hours	20°C
10-15 minutes	1-2 Hours	30°C

**Please note** These figures are given as a guide only. As storage temperature of material prior to use and ambient temperature prior to and during use can considerably change cure schedules A decrease cure in the cold and accelerated cure in hot conditions

**MATERIAL USAGE /COVERAGE:** As a guide for crack repair epoxy injection 300cc would inject 5m linear metres of a crack 2mm wide x 30mm deep.

**CURED PROPERTIES:** Compressive Strength: >50N/mm<sup>2</sup> Tensile Strength: 17N/mm<sup>2</sup> )Provisional  
Specific Gravity: 1.05 Flexural Strength:34N/mm<sup>2</sup>

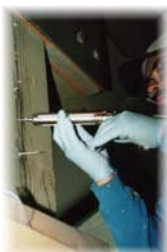
**CLEANING OF TOOLS:** Uncured **Crack Repair Epoxy** may be readily removed from tools and equipment with Rotafix **s200 PC Solvent Cleaner**. Mechanical methods are required to remove cured material.

**The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.**

Epoxy resins and their associated curing agents can cause irritation to some people. Please take the necessary precautions indicated in the COSHH details available from our offices.

Please read our Users Safety Guide on the Handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee insomuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.



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