Crack Filler EP100

High strength crack filling pourable epoxy compound

POLYCOTE®

"maintenance made easy"

PRODUCT DESCRIPTION

Crack Filler EP100 is a solvent free 100% solids two part epoxide resin based system with a low viscosity hardener. Its free flowing pourable formulation is designed to facilitate the filling of cracks and gaps from 0.1mm to 10mm, rapidly achieving mechanical strength several times that of high quality concrete. Crack Filler EP100 is non-shrink and ensures total fill of the crack or joint. Once hardened, it is resistant to petroleum products, most chemicals and freeze thaw cycles.

TYPICAL USES

Crack Filler EP100 is designed for filling and bonding of cracked concrete, bonding of lifted floor toppings and structural support where dynamic load resistance is required.

SUITABLE SUBSTRATES

Crack Filler EP100 is suitable for use on old and new concrete.

COLOUR

Crack Filler EP100 is a translucent straw-coloured liquid.

PACKAGING

Crack Filler EP100 is available in 1 litre or 2.5 litre unit sizes and supplied in pre-measured quantities as a two part unit comprising resin Part 'A' and hardener Part 'B'.

PHYSICAL PROPERTIES

Compressive Strength	70N/mm^2
Flexural Strength	92N/mm^2
Tensile Strength	50N/mm^2
Elastic Modulus	3.4KN/mm^2

DIRECTIONS FOR USE

PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

The substrate should be clean and free from dust or oil contamination. For best results the surface should be dry but Crack Filler EP100 will tolerate damp surfaces. A gas torch may help to remove oil or moisture from the surface and clean, dry compressed air may be used to blow out small cracks.

MIXING

Having fully prepared the substrate, pour all of the hardener Part 'B' into the pot containing resin Part 'A' and mix thoroughly until a clear homogenous mix is obtained

APPLICATION

The materials should be poured into the crack immediately after mixing, using a jug or suitable pouring vessel. A bead of caulk/sealant may be applied temporarily along each side of the crack to prevent the flow of the material onto the surrounding area. Surplus mixed material may generate considerable heat within the container at the end of the pot life. Any unused material is best mixed with sand to reduce the heat output before discarding

POT LIFE

The pot life of Crack Filler EP100 is approximately 15 minutes at +20˚C.

APPLICATION TEMPERATURE

Minimum application temperature is +12˚C.

CURING TIMES

Initial cure takes place within 4-6 hours depending on temperature. Full strength is achieved after 7 days.

COVERAGE

1 litre of mixed material will fill 33 linear meters based on a nominal crack size of 3mm wide x 10mm deep.

Note: this example is theoretical as a crack will not be equal in width and depth throughout its length.

CLEANING

Tools and equipment should be cleaned whilst product is still wet with Solvent Cleaner. Hands and skin should be cleaned immediately with Organic Hand Cleaner.

SHELF LIFE & STORAGE

The shelf life of Crack Filler EP100 is 12 months subject to conditions of storage being dry and frost-free, at temperatures between +5˚C and +45˚C.

HEALTH & SAFETY

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

ANY QUESTIONS?

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application. Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

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