

Cretex® Fastset

Product Description

For the larger holes that need to be filled quickly

Cretex Fastset is an acrylic-based mortar that is immensely strong, accepting heavy traffic in only 1 hour and cures to over 3 times the strength of concrete in under 2 hours.

Cretex Fastset cures from 30°C down to freezing conditions and, due to the size of aggregate is excellent for the larger repairs. It can be laid easily to a smooth or rough finish depending upon the ease of cleaning or slip resistance required.

Typical Uses

Its extreme curing characteristics make Cretex Fastset ideal for rapid repairs to floors, steps, nosing, kerbs and expansion joint in areas of constant traffic. It may be used to improve the mechanical resistance and load-bearing characteristics of concrete floors. Cretex Fastset is ideal for use in low temperature interior and exterior environments.

Suitable Substrates

Cretex Fastset may be applied to clean, dry concrete with a moisture content not exceeding 5%.

Colour

Cretex Fastset is grey in colour.

Packaging

Cretex Fastset is available in a 27kg unit made up of a unit of resin and a pre-blended specialist hardener and aggregate mix.

Direction For Use

Surface Preparation

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

Concrete repairs should be prepared with squared off edges having a 10mm minimum vertical lip. Remove all loose material – wire brushing is advisable. Sweep clean or vacuum. The surface must be free from grease, oil or contamination. Ensure concrete is dry (moisture content not exceeding 5%) before priming.

Caution – *Cretex Fastset* is a methyl methacrylate based resin and has a characteristic odour during the vaporising of the solvent. Although non-toxic and non-injurious to health, this can cause tainting and **OPEN** food products should therefore be removed or sealed during and following application until the vapour has dispersed.

Priming

The substrate should first be primed with Polycote MC Primer, brushing thoroughly into the entire surface. Once applied, sprinkle 0.5-0.9mm Calcined Bauxite or a suitable kiln-dried quartz aggregate onto the **WET PRIMER** to provide a mechanical surface key for the material. Allow the primer to cure, normally within 40 minutes.

Mixing

Using a clean plastic bucket of at least 25L capacity, add the resin to the powder and mix for 3 minutes using a heavy duty slow speed drill with a 0-15 litre mixing paddle until a homogenous mix is achieved.

ENSURE THOROUGH MIXING AS AN UNMIXED PRODUCT WILL RESULT IN A POOR OR NON-CURE SITUATION.

Application

The material should be placed immediately after mixing.

Trowel out to the required smoothness. **DO NOT TAMP** as this may cause the resin to rise to the surface leaving a weakened bond at the base of the repair material. Where the depth of repair requires more than one layer (see 'Application Thickness') MC Primer should be applied between layers to aid intersection bonding – see 'Priming'.

For vertical repairs – where step nosings or expansion joint edges have broken away, the vertical face of the repair material should be supported to prevent slumping.

Suitable sized wooden shuttering should be covered with polythene to reduce adhesion and should be removed as soon as the material is firm.

Application (cont)

Pot Life & Curing Time

Physical Properties

Application Temperature

Coverage

Cleaning

Shelf Life & Storage

Health & Safety

Any Questions

Application Thickness

The recommended application thickness of Cretex Fastset is 10mm – 50mm in one layer.

The pot life of Cretex Fastset is 10-15 minutes depending on temperature. Initial curing time to foot traffic resistance is approximately 1 hour. Full strength and chemical resistance are achieved after 2 hours.

Compressive Strength	75kN/mm ²
Flexural strength	24kN/mm ²
Flexural tensile strength	27.5kN/mm ²
Tensile Strength	7.8kN/mm ²
Beginning and deformation under pressure	26kN/mm ²
Break elongation	0.56%

Cretex Fastset is available in one Standard Grade for 0°C to 30°C application temperature.

The coverage rate per 27kg unit of Cretex Fastset is approximately 1m² at 12.5mm nominal thickness.

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.

The shelf life of Cretex Fastset in unopened containers is up to 6 months subject to conditions of storage. Store in a cool dry environment away from sources of ignition.

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.

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.

Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.