

Creutex[®] Rapid



Fast setting, polymer modified concrete repair mortar

“maintenance made easy”



PRODUCT DESCRIPTION

Creutex Rapid is a magnesium phosphate cementitious floor repair comprising rapid setting cement modified with a combination of graded aggregates and an SBR polymer latex liquid, producing excellent adhesion and physical properties. Creutex Rapid does not shrink, is water resistant once cured and will protect exposed reinforcing against corrosion. Creutex Rapid can easily be part mixed, eliminating waste.

TYPICAL USES

Being solvent free, non-toxic and non-taint, Creutex Rapid is ideal for use in medical, animal, food-processing and working environments. Typical purposes include repairs to, spalling or damaged floors, kerbs, plints, columns, coping, sills, lintels and beams. It is ideal for forming coving.

SUITABLE SUBSTRATES

Creutex Rapid is designed primarily for use on concrete. The product is chloride free and may safely be used in contact with cast iron and steelwork. It is suitable for damp area although application to WET substrates is not recommended.

COLOUR

Creutex Rapid is grey in colour.

PACKAGING

Creutex Rapid is supplied in 10kg units.

PHYSICAL PROPERTIES

Compressive Strength;		
45 mins	–	15N/mm ²
2 hours	–	25N/mm ²
7 days	–	48N/mm ²
28 day	–	55N/mm ²
Bond Strength		
slant shear		40N/mm ²
Density		2200kg/m ³
Shrinkage		Volume stable

DIRECTIONS 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.

Dusty, dry substrates should be lightly dampened with water to reduce suction.

MIXING

The recommended mixing ratio of powder to liquid is 9:1.2 by weight. Pour the appropriate quantity in a suitable mixing bucket and gradually add the powder whilst mixing until a slump free trowelable consistency is obtained. Mix thoroughly using a heavy duty, slow speed drill and mixing paddle.

The consistency of the mix maybe adjusted (thicker / thinner) depending on the type of repair but bear in mind, that excess liquid will reduce the strength of the product.

DO NOT MIX MORE THAN CAN BE APPLIED IN 10 MINUTES.

APPLICATION

Having prepared and pre-wetted the substrate, apply the material using a trowel **IMMEDIATELY AFTER MIXING.**

POT LIFE & CURING TIME

The pot life of *Cretex Rapid* once mixed is approximately 10 minutes at 20°C.

Initial curing takes place within 45 minutes depending on temperature.

Full cure is achieved after 28 days.

APPLICATION TEMPERATURE

Normal application temperature is between 5°C and 35°C.

For colder environments down to -20°C minimum, preheating may be necessary as described under 'Mixing' above, and the repair may require insulated covering.

For more information on this please phone Polycote Technical Department.

APPLICATION THICKNESS

The recommended range of application thickness is from 10mm minimum to 50mm maximum in one layer.

Thinner applications down to 5mm may be applied but the strength of the product may be compromised.

COVERAGE

The coverage rate per 10kg unit of *Cretex Rapid* is 1m² at 5mm nominal thickness.

CLEANING

Tools and equipment should be cleaned whilst material is still wet with warm soapy water.

Hands and skin should be cleaned immediately with Organic Hand Cleaner.

SHELF LIFE & STORAGE

The shelf life of *Cretex Rapid* is 6 months subject to storage in dry conditions at temperatures between 5°C and 35°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.

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 for himself that 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.

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