

Creutex[®] LT



Fast curing low temperature concrete repair mortar

“maintenance made easy”



PRODUCT DESCRIPTION

Creutex LT is a magnesium phosphate based cementitious floor repair mortar incorporating an advanced blend of pre-mixed aggregates and cements.

Its specialist formulation achieves an extremely fast cure at low temperatures, with very rapid strength build up.

TYPICAL USES

Its fast curing characteristics make *Creutex LT* ideal for repairs to floors, columns, steps, nosings, kerbs and bedding of ironwork in busy 24 hour working or traffic areas.

It is particularly suited to cold store areas due to its low temperature curing capability and good adhesion to damp areas.

SUITABLE SUBSTRATES

Creutex LT is designed primarily for use on concrete. The product is chloride free and may safely be used in contact with cast iron and steelwork.

COLOUR

Creutex LT is grey in colour.

PACKAGING

Creutex LT is supplied in 25kg units.

PHYSICAL PROPERTIES

Compressive Strength; (Water content 1.5 litres per 25kg unit)	
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.

A gas torch will help to remove oil from the surface.

MIXING

For application temperatures below 5°C – pre-warm the mixing vessel using hot water and warm the mixing water to between 25°C and 30°C. This will accelerate the cure time.

Measure 1.5Ltrs water into a clean mixing bucket and add the complete 25kg unit quantity of *Cretex LT* powder.

DO NOT EXCEED the stated ratio of water to powder.

Mix to a trowellable consistency using a heavy duty slow speed drill and mixing paddle or force action mixer.

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 LT* once mixed is approximately 10 minutes.

Initial curing takes place within 1-2 hours 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.

COVERAGE

The coverage rate per 25kg unit of *Cretex LT* is 1.2m² at 10mm 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 LT* is 6 months subject to storage in dry conditions 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.

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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