



Technical Data Sheet

CreteX® Deepfill

Rev: October 2022

CreteX® Deepfill

Product Description

Rapid high strength repair mortar

CreteX Deepfill 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 CreteX Deepfill ideal for industrial floor areas, loading bays and warehouses. Around fixing bolts, raising and levelling manhole covers, gratings, hydrants etc. Also excellent for roads, bridge decks, quays and crane rails.

CreteX Deepfill may be applied to both dry & damp surfaces.

Suitable substrates:

CreteX Deepfill 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:

CreteX Deepfill is grey in colour

Packaging:

CreteX Deepfill is supplied in 25kg units.

Physical Properties

Compressive Strength

1 hr	25N/mm ²
2 hrs	30N/mm ²
24hrs	40N/mm ²
28 Days	52N/mm ²
Bond Strength slant shear	40N/mm ²
Density	2200kg/m ³
Shrinkage	Volume stable

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. Under no circumstances should "feather edging" be used. 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 Deepfill 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 Deepfill once mixed is approximately 10 minutes. Initial curing takes place within just 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' 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.

Cleaning

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

Coverage

The coverage rate per 25kg unit of Cretex Deepfill is 1.2m² at 10mm nominal thickness.

Self Life & Storage

The shelf life of Cretex Deepfill 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.

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.

0800 980 0852

polycote.com

uksales@polycote.com

Centre Point, Wolsley Road, Woburn Road Industrial Estate,
Kempston, Bedford MK42 7EF