

## Cretext® Deepfill

### Product Description

Rapid high strength repair mortar

*Cretext 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 *Cretext 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.

*Cretext Deepfill* may be applied to both dry & damp surfaces.

**Suitable substrates:** *Cretext 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** *Cretext Deepfill* is grey in colour

**Packaging:** *Cretext Deepfill* is supplied in 28kg units.

### Physical Properties

Compressive Strength:

60 mins	22N/mm <sup>2</sup>
3 hrs	33N/mm <sup>2</sup>
2 Days	44N/mm <sup>2</sup>
28 Days	53N/mm <sup>2</sup>
Density	2200kg/m <sup>3</sup>
Shrinkage	Zero

### 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 1.2Ltrs water into a clean mixing bucket and add the complete 20kg unit quantity of *Cretext Deepfill* powder and 8kg aggregate. **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 *Cretext 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 30°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 minimum application thickness is 20mm.

Coverage

The coverage rate per 28kg unit of *Cretex Deepfill* is 0.25m<sup>2</sup> of 26mm nominal thickness.

Cleaning

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

Shelf Life & Storage

The shelf life of *Cretex Deepfill* is 6 months subject to storage in dry conditions at temperatures between 5°C and 30°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 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.