

# Uniprime DX

**CEMKRETE**

**Solvent based, high performance fast dry epoxy primer**

*Innovative products for your success*

## Description

Uniprime DX is a specially formulated high viscous product for use with the mortar or any high built system that requires extra bonding properties. Exhibit excellent adhesions between mortar and the substrate and enhance the application of this high built system.

## Uses

Uniprime DX is a solvent based, clear, two component epoxy based primer with good penetrating properties, low viscosity. It suitable for priming all concrete surfaces prior to the application of any of the Cemflor epoxy base topping product, Carbon fiber epoxy and variety range of protective coating.

## Advantages

- Excellent adhesion to concrete
- Fast drying
- Compatible with most surface and top coat
- Damp tolerant
- Suitable for using as damp proof membrane primer

## Technical Support

Cemkrete offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

## Properties

The values give below are average figures achieved in laboratory tests at 20 °C. Actual values obtained on site may show minor variations from minor variations from those quoted.

### Physical properties

|                                      |   |                        |
|--------------------------------------|---|------------------------|
| <b>Tensile strength (BS 6319)</b>    | : | >12 N/mm <sup>2</sup>  |
| <b>Pull-off test (BS 1881 pt207)</b> | : | >1.7 N/mm <sup>2</sup> |
| <b>Cure time foot traffic</b>        | : | 1-2 hours              |

## Application instruction

### Surface preparation

The long term durability of any resin floor system is determined by the adhesive bond achieved between the flooring material and the substrate. It is most important therefore that substrates are correctly prepared prior to application.

### New concrete floors

These should normally have been placed for at least 28 days and have a moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed by light mechanical scabbling, grinding or grit blasting. Light laitance can be removed by acid etching followed by thorough washing with clean water, vacuum cleaning and then allowing the surface to dry.

### Old concrete floors

Where deep seated contamination has occurred, mechanical methods such as blasting, grinding or scabbling should be used to provide a suitable clean surface.

Any necessary repairs should be carried out using Cemkrete E211 or Cemkrete E911 or Cemkrete FC (see separate data sheets).

### Mixing

Uniprime DX should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. When thoroughly mixed, preferably using a slow speed drill film, using rollers or stiff brushes. Work the primer well into the surface of the concrete taking care to avoid ponding or over application.

The primer should be left to achieve a tack-free condition before applying the top coat. A second coat of primer may be required if the substrate is excessively porous.

### Cleaning

Uniprime DX should be removed from tools and equipment with solvent immediately after use. Hardened material can only be removed mechanically.

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## Precautions

### Health and safety

Uniprime DX should not come into contact with the skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapors. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - **do not** induce vomiting.

### Disposal

Spillages of component products should be absorbed on to earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations.

For further information, refer to the Product Material Safety Data Sheet.

## Estimating

### Supply

|                    |   |            |
|--------------------|---|------------|
| <b>Uniprime DX</b> | : | 10 kg pack |
|--------------------|---|------------|

### Coverage

|                    |   |                          |
|--------------------|---|--------------------------|
| <b>Uniprime DX</b> | : | 5-10 m <sup>2</sup> /kg. |
|--------------------|---|--------------------------|

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced. Typically an additional 10% should be allowed for surface irregularities and wastage although this will vary with site conditions.

## Storage

### Shelf life

All products have a shelf life of 12 months if kept in a dry store in the original, unopened packs.

### Storage conditions

Store in dry condition between 5 °C and 30 °C, away from sources of heat and naked flames, in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.

## Additional Information

Cemkrete manufactures a wide range of those complementary products which include:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemkrete office - as below.

### Important note

Cemkrete products are guaranteed against defective materials and are sold subject to its standard conditions for the supply of goods and services, copies of which may be obtained on request. Whilst Cemkrete endeavors to ensure that any advice, recommendation, or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.