

## BOND COAT UF

### Product Codes

TM11, TM12 Packaging listed overleaf.

### Description

Bondcoat UF is a two part epoxy resin system consisting of a base component containing solvent free epoxide resin plus a low viscosity liquid hardener. Bondcoat UF is applied using a stiff bristle brush to give a thin continuous bond layer to clean prepared surfaces.

Bondcoat UF is used as a bonding primer where the highest bond values are required. The bond is used for applications of epoxy resin based mortars to resin and cementitious substrates in addition to cementitious mortars and concretes applied to existing concrete surfaces. The bond values achieved are greater than the tensile strength of high quality concrete. Bond lines are resistant to a wide range of chemicals to compliment the applied topping.

**Uses include:** Bonding primer for epoxy resin based screeds and mortars  
Bonding primer for cementitious mortars and toppings

### Typical Properties @ 20°C

**Tensile Strength:** 41N/mm<sup>2</sup>

**Flexural Strength:** 65N/mm<sup>2</sup>

### Adhesion To Concrete:

The bond strength of Bondcoat UF to concrete will be greater than the tensile strength of the concrete. Testing to failure will result in the rupture of the concrete surface.

### Usable Life:

Pot life of Bondcoat UF is 1 hour.

### Initial Cure:

Depending on the topping, the finished application may be brought into light use in 24 hours.

### Full Cure:

Full cure will be obtained in 7 days.

### Specification Outline

Bonding of applied topping shall be carried out using Bondcoat UF as manufactured by Parex Ltd. The Bonding Agent shall be stored, mixed and applied strictly in accordance with the manufacturer's instructions.

### Quality Assurance

Parex Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by UK CARES LTD.

### Application

#### Preparation

Ensure that bonding surfaces are free from dust and oily contamination. Suitable preparation should be undertaken to produce a good mechanical key. Steel should be free of rust and flaking mill scale. All substrate surfaces should be essentially dry.

#### Mixing

Pour all of the contents of the hardener bottle into the base resin container which has sufficient volume to act as the mixing vessel. Thoroughly mix the two components until a homogenous clear product is achieved.

## BONDcoat UF

### Coating

Apply the mixed Bondcoat UF to the prepared surface using a stiff bristle brush. Apply a thin continuous film avoiding the formation of puddling. Apply the topping as soon as the priming coat is completed. If the Bondcoat UF is absorbed by the substrate, re-prime the surface before applying the topping.

Tools and equipment should be cleaned with Solvent prior to the Bondcoat UF setting.

### Curing

No special curing practice is required.

### Precautions

#### Health and Safety

Bondcoat UF is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in the Product Safety Data Sheet

#### Fire

Bondcoat UF is classified as non-flammable. Solvent is flammable. Should fire occur, extinguish with CO<sub>2</sub> or foam.

#### Storage and Shelf Life

Bondcoat UF will have a storage life of 12 months in unopened packs when kept in dry conditions at a temperature of between 5°C and 45°C. Storage at higher temperatures or high humidity may reduce shelf life

#### Coverage

Each 0.8kg pack will cover approximately 2-5 square metres depending on substrate

Each 4kg pack will cover approximately 10-25 square metres depending on substrate.

### Packaging And Ordering

Bondcoat UF is supplied:

|             |                   |
|-------------|-------------------|
| 0.8kg packs | Product Code TM11 |
| 4kg packs   | Product Code TM12 |

Solvent is supplied in:

|              |                   |
|--------------|-------------------|
| 1 litre cans | Product Code TM08 |
| 5 litre cans | Product Code TM02 |

Parex Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Parex Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Parex Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.