

## PRODUCT DATA SHEET

# Parex Bondcoat UF

### 2-COMPONENT EPOXY BONDING PRIMER FOR A WIDE RANGE OF MATERIALS AND SUBSTRATES

#### DESCRIPTION

Parex 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. It is applied using a stiff bristle brush to give a thin continuous bond layer to clean prepared surfaces. Parex Bondcoat UF is used as a bonding primer where the highest bond values are required. The bonder is used for applications of epoxy resin based mortars, screeds and toppings to resin and cementitious substrates, in addition to cementitious mortars and concretes applied to existing cementitious 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 complement the applied topping.

#### USES

- High performance bonding primer for epoxy resin based screeds, mortars and toppings to resin and cementitious substrates.
- Provides exceptional bonding of cementitious mortars and toppings.
- Particularly suitable for bonding new cementitious products to old.

#### CHARACTERISTICS / ADVANTAGES

- Bond values greatly exceed the tensile strength of high quality concrete.
- Pre-packed units.
- Exceptional adhesion to most construction materials.
- Hardens without shrinkage.
- Resistant to a wide range of chemicals.
- Easily applied with a stiff bristled brush to give a thin continuous bond layer.
- Early return to service (light use after 24 hours, full cure at 7 days).
- Solvent-free.

#### PRODUCT INFORMATION

Composition	Epoxy resin	
Packaging	0.8kg (A+B) 4kg (A+B)	Pre-batched units
Shelf life	12 months from date of production	
Storage conditions	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.	

#### TECHNICAL INFORMATION

Flexural toughness	~65N/mm <sup>2</sup> at 20°C
Tensile strength	~41N/mm <sup>2</sup> at 20°C

## APPLICATION INFORMATION

<b>Mixing ratio</b>	Component A : Component B = 1.66 : 1 by weight or volume
<b>Consumption</b>	Each 0.8kg pack will cover approximately 2-5 m <sup>2</sup> depending on substrate. Each 4kg pack will cover approximately 10-25 m <sup>2</sup> depending on substrate.
<b>Layer thickness</b>	~1 mm max. in one application. Multiple layers can be used to achieve required final thickness. Wait for each previous layer to harden before applying the next layer.
<b>Material temperature</b>	Parex Bondcoat UF must be applied at temperatures between +5 °C and +30 °C.
<b>Ambient air temperature</b>	+5 °C min. / +35 °C max.
<b>Dew point</b>	Beware of condensation. Substrate temperature during application must be at least 3 °C above dew point.
<b>Substrate temperature</b>	+5 °C min. / +35 °C max.
<b>Pot Life</b>	~1 hour at 20°C. The pot life begins when the resin and hardener are combined. It is shorter at higher temperatures and longer at lower temperatures. The greater the quantity mixed, the shorter the pot life.
<b>Curing rate</b>	<b>Initial Cure:</b> Depending on the topping, the finished application may be brought into light use in 24 hours. <b>Full Cure:</b> Full cure will be obtained in 7 days.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- Avoid application outside of temperature range.
- Ensure no ponding water is present on the substrate.
- Be aware of dew points.
- Do not part mix components.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

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 using a slow speed drill and paddle. Avoid air entrapment at all times while mixing.

## APPLICATION

Apply the mixed Parex 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 Parex Bondcoat UF is absorbed by the substrate, re-prime the surface before applying the topping.

## CURING TREATMENT

No special curing practice is required, but product should be protected from rain during application and hardening.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Thinner C Cleaner immediately after use. Hardened / cured material can only be removed mechanically.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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