

# SPORTS SURFACES

DATA SHEET

## EPOBASE FU 14

### Two-component Primer for damp decks

#### CHARACTERISTICS

Epobase FU 14 is a two-component special epoxy resin based primer; this product is used as a primer on cement decks even in very humid conditions (e.g. 7 - 10 day-old concrete decks), and ensures excellent adhesion. Epobase FU 14 also ensures excellent resistance to counter-thrust and acts an excellent anchoring layer, and vapour and anti-humidity barrier for liquid waterproofing coverings, sports courts and industrial flooring. Epobase FU 14 may also be used as a vapour barrier directly on ceramic and Kliner flooring before laying the resin layers. Epobase FU 14 is an excellent anchoring layer before pouring more concrete to improve adhesion on the concrete.

#### APPEARANCE

Comp. A Straw yellow low-viscosity liquid  
Comp. B Reddish medium-viscosity liquid

#### CHARACTERISTICS OF THE LIQUID PRODUCT

| Characteristic  | U.M.               | Value       | Tolerance |
|---|--------------------|-------------|-----------|
| Specific weight   | Kg/dm <sup>3</sup> | 1,06        | ± 0,05    |
| Dry mass residue  | %                  | 99          | ± 1       |
| Residue at 450°C  | %                  | 0           | ± 1       |
| Brookfield viscosity (with Brookfield viscosimeter rotor no. 4, speed 20) | mPa.s              | 1700        | ± 300     |
| Mixing ratio (A:B) by weight  | -                  | A:B = 62:38 | -         |

#### LAYING INSTRUCTIONS

| Tools  | Thinner      | Type of thinner | Cleaning tools |
|--------|--------------|-----------------|----------------|
| Brush  | Ready-to-use | -               | DIL S1         |
| Roller | Ready-to-use | -               | DIL S1         |

#### MAPPLICATION METHOD

Epobase FU 14 may be applied on flat surfaces in a single coating, while on vertical surfaces two coatings are required (12-24 hours) at a short interval, to avoid excessive running. Successive layers of the product must be applied within 12-24 hours from the last coating to avoid problems of adhesion between the different layers. Before more concrete is poured, the second cast must be poured on the fresh product, immediately after the application of Epobase FU 14.

#### LAYING SURFACE

The surface must be perfectly clean with no traces of oil, grease, and dust or pooling. The deck must be prepared to remove the loose surface layer and soluble salts and to roughen the surface in order to improve the adhesion of the next resin coating. The technique to use should be decided at the work site according to the type of deck, the condition of the deck, the mechanical properties and final thickness.

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## CONSUMPTION

In order to obtain the best effect to the counter-thrust, the product should be applied with a thickness of 300 microns, corresponding to at least 300-350 gr/sqm. Coverage on concrete for levelling screeds depends on the absorption and porosity of the deck; for normal contract this is generally 200 gr/sqm.

## APPLICATION INSTRUCTIONS

Ambient temperature: MIN 10°C - MAX 35°C  
Relative humidity: MAX 90%  
Deck temperature: MIN 10°C - MAX 40°C

## DRYING AND HARDENING AT 23°C AND R.H. OF 50%

|                           |            |
|---------------------------|------------|
| Pot life                  | 25'        |
| Interval between coatings | 12 - 24 h  |
| Complete curing time      | 5 - 6 days |

ATTENTION: the reaction of the product is extremely exothermic; this can cause a drastic decrease of the pot life time if, once mixed, the product is left in mass in the original box. So we recommend to proceed with one of this solutions:

- 1) Once the mix is completed, split the product in 2 or 3 clean and dry boxes and proceed with the application possibly simultaneously;
- 2) Mix small quantity of material regarding to respect the mixing proportion;
- 3) Once the mix is completed, if the surface can allow that, pour the material on the surface and apply that very quickly with a short hair roll or by metal spatula.

We recommend to stock the material always in shaded areas avoiding the direct sun light. The times indicated refer to standard laboratory conditions. Drying times are strongly affected by the weather; high temperatures and exposure to direct sunlight accelerate hardening; shadow and low temperatures delay hardening. During winter it is advisable to lay the product in the middle of the day when it is warmer. Always ensure that the previous layer has hardened perfectly before applying a new coating.

## PACKAGING INSTRUCTIONS

|                   |                   |
|-------------------|-------------------|
| Colours available | Neutral           |
| Packaging         | A + B = 5 - 10 Kg |

## STORAGE INSTRUCTIONS

|                                    |                    |
|------------------------------------|--------------------|
| Storage temperature:               | MIN 5°C - MAX 40°C |
| Stability in the original package: | 6 months           |

## SAFETY STANDARDS

Please read the safety data sheet carefully before using this product.

*The data provided by these data sheets are approximate and the Company reserves the right to modify the same for technical reasons, without prior notice. The solutions proposed do not represent all the possible uses but are merely case studies deriving from Casali's installation experience and are therefore intended only for purposes of illustration. The user is exclusively responsible for the way the products illustrated are used, whether properly or improperly, for evaluating in advance the suitability or otherwise of the product for its requirements and exerting the utmost caution in handling chemical products. **Important: to ensure best colour uniformity of surface laid products, we recommend that you use materials from the same production lot as finishing layer. The Technical Office of Casali's Synthetics Division is at your complete disposal for any further specific information or explanations you may require (phone 071 9162095).***

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