

SPORTS SURFACES

DATA SHEET

SPORTBASE 300

Three-component epoxy-cement coating in water dispersion for damp decks

CHARACTERISTICS

Sportbase 300 is a three-component epoxy-based thixotropic coating/primer, formulated to smooth and level cement decks even when humidity is present. The product ensures excellent adhesion on all building materials and concrete structures, floors and walls, even when no vapour barrier is installed. The product may be painted with any cycle of low, medium and high thickness epoxy, polyurethane and epoxy-polyurethane resins. For this type of application please contact Casali's Technical Office for more information on the laying cycle most suited to your specific requirements. Sportbase 300 has been tested for resistance to negative counterthrust according to EN 8298 - 8; the product has no anomalies up to a pressure of 100 KPa.

APPEARANCE

Comp. A: white viscous liquid
Comp. B: milky white liquid
Comp. C: white powder

CHARACTERISTICS OF THE LIQUID PRODUCT

Characteristic	U.M.	Value	Tolerance
Specific Weight	Kg/dm ³	1,85	± 0,05
Dry mass residue	%	77,5	± 2
Mixing ratio	-	A:B:C = 39,6:8,4:52	-

LAYING INSTRUCTIONS

Tools	Thinner	Type of thinner	Cleaning tools
Brush	MAX 5 %	Water	Water
Roller	MAX 5 %	Water	Water
Smooth metal trowel	Approx. 10 %*	Water	Water

* in weight based on the Sportbase 300 + quartz sand 0,1 - 0,3 mix. The dilution can be slightly modified based on the weather conditions, but we suggest not to exceed the the suggested quantities.

APPLICATION METHOD

Pour Component A in a bigger drum, add Component B and start mixing until reach an homogeneous blend; pour with small amount every time all the Component C and mix properly to reach a creamy liquid without lumps.
In case of application with smooth metal trowel for the smoothing of decks, we suggest to add quartz sand 0,1 - 0,3 mm using the following mixing ratio by weight:

Sportbase 300 : quartz sand 0,1 - 0,3 mm = 1 : 0,5

To make it workable add water as indicated in the Application instructions in the data sheet.

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LAYING SURFACE

The surface should be perfectly clean with no traces of oil, grease, dust and the medium roughness must be 0,5 mm. In case of excessive roughness, porosity and absorption of the deck we suggest to apply first a primer such as Epobase A, 12 - 24 h before the application on Sportbase 300.

CONSUMPTION

The minimum recommended coverage is 0,8 Kg/sq.m. applied in two coats

APPLICATION INSTRUCTIONS

Ambient temperature MIN 15° C MAX 30° C
Deck temperature MIN 15° C MAX 35° C
Environmental humidity MAX 70 %

Avoid application with high temperature and direct sunlight especially during hot seasons, so privilege fresher hours. In reverse for cool seasons focus the application during the warmer hours and avoid application with threat of rain, frost o high humidity.

DRYING AND HARDENING AT 23° C AND 50 % U.R.

Pot life	1 h
Surface dry	5 - 7 h
Interval between coatings	12 h

The times indicated refer to standard laboratory conditions. Drying times are strongly affected by the weather; high temperatures and exposure to direct sunlight accelerate drying; shadow, low temperatures and high humidity delay drying. 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 cured perfectly before applying a new coating.

CHARACTERISTICS OF THE DRY PRODUCT

Characteristic	U.M.	Value	Tolerance
Transmission speed of water vapour	g/m ² . 24h	25	± 5
Compressive strength	bar	10	± 2
Adhesion to reinforced concrete	MPa	> 3,5	± 0,5
Resistance to the negative counterthrust (EN 8298 – 8)	KPa	100	-

PACKAGING INSTRUCTIONS

Colours available	White
Packaging	A+B+C = 16 Kg

STORAGE INSTRUCTIONS

Storage temperature	MIN 5° C - MAX 35° C
Stability in the original packaging	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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