



R522 LASTRA SP

FINITURE TRASPARENTI

Description

Bi-component epoxy transparent solvent-free mixture (A+B). Crosslinked with a cycloaliphatic, almost colourless amine hardener.

Applied as self-levelling casting, R522 LASTRA SP let glimpse the underlying substrate: it is therefore possible to incorporate drawings and objects, also with relevant thickness.

Usage

Shops
Offices
Showrooms
Restaurants and Bars
Apartaments
Furnishing and design elements

Substrate

The substrate shall have a min. resistance to compression of 25 N/mm² and to traction of 1,5 N/mm².

Preparation of the substrate

- Concrete substrates shall be solid, dry, (cured if new), levelled, absorbent, not polluted by oils, detergents, powders or other substances.
- Assess the most suitable mechanical preparation (shot-peening or abrading) then applicate a layer of R522 LASTRA SP, so obtaining a consumption of 300 - 400 gr/m².
- Tiled substrates shall be energetically shot-peened or abraded, until obtaining a matt surface.
- On floors that have been already treated with resin, it is necessary to check the perfect adherence of the overcoating ; if the adhesion is firm, proceed with the application.

Preparation of the product

Join together the two compounds A+B in a single tin and mix with care for 2 minutes, using the adequate tool (drill with propeller or whisk) taking care to inglobate as less air as possible in the mixture.

Application

Quickly distribute the product with a toothed/smooth trowel, so obtaining a consumption of 3,0 kg/m² to have a lacquer finish of about 3 mm. If necessary, use a bubble-buster roller to even the surface and facilitate the deaeration of the system.

The min. suggested thickness is of 3 mm (for a consumption of about 3 kg/m² of product), while the max. thickness of the casting is of 10 mm (for a consumption of about 10 kg/m² of product).

Thicknesses under 3 mm are not suggested, as aethetical defects of the surface could be revealed (hammer-effect).

To colour the mixture, it is possible to add solvent-borne pastes after having checked their compatibility within the system.

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Technical Data

Colour		Transparent
Specific weight		1,10 +/- 0,05 g/ml
Viscosity (A+B)	at 25°C	600 +/- 120 mPa.s (Spindle 2, rpm 60)
Pot-life	at 30°C	> 40 minutes
	at 25°C	35 minutes
	at 15°C	>90 minutes
Tacky free	at 30°C + 50% R.H.	4-6 hours
	at 25°C + 50% R.H.	8-10 hours
	at 15°C + 50 % R.H.	18-22 hours
Walkability	at 25°C + 50% R.H.	24 hours
Overcoatable	at 25°C + 50% R.H.	Min. 18 hours max 36 hours
Trafficable		48 hours (50% R.H.)
Hardening in depth		7 days
Yield	1 kg/m2 each mm thickness	(min. suggested thickness =3mm)
Mixture Ratio in weight		A=625 B=375
Flash Point		>100°C
Usage Conditions	Temperatures between +15°C and +30°C environmental R.H.<50% and substrate humidity <4%	
Resistance to abrasion (TABER Mola CS-17-1000rot. - 1000 gr weight) UNI 8298-9		55-65 mg
Chemical Resistance	Good chemical resistance to various aggressive chemicals; depending on the needs, consult our technical service	
Resistance to compression (UNI 4279)		90 N/mm2
Resistance to Flexion (UNI 7219)		80 N/mm2
Resistance to traction (ASTM D 638)		62 N/mm2
Hardness (ASTM D 2240)		82 Shore D
Coefficient of linear thermal expansion		20X10 ⁻⁶ C ⁻¹
Cleaning the tools with		UNI solvent
Storage (**)		24 Months in a dry and protected place at temperatures between 10°C and 35°C
Overcoating Maintenance		Use neutral detergents for daily cleaning

(*) When you apply R522 LASTRA SP at substrate temperatures under 15°C the formation of white stains is possible, if the product comes in contact with water or waterbased products. This defect of chemical resistance is caused by incomplete cross-linking. Therefore, it is possible to apply R522 LASTRA SP at a substrate temperature over 15°C and at least 3°C above the condensation temperature.

(**) Before using the product check that the component "A" is transparent. The presence of white crystals would indicate a partial crystallization. To eliminate the crystals (reversible phenomenon) heaten the compound "A" in a bain-marie until obtaining a transparent liquid.

WARNING

Overcoatings made of R522 LASTRA SP, could fade or undergo colours variation tending toward yellow if exposed to direct sunlight; this won't affect the performance of the overcoating in any way. When possible use material coming from the same production batch.

To apply the material at low temperatures, heaten the material at 25°C to facilitate the application and the catalysis (viscosity decreasing).

All information in this sheet are based on our best practical lab-experience. The variability both of the site condition and of the application type, do not allow giving specific guarantees, expressed or implied, neither on the product laid, nor on the cycles suggested in the documentation or as far as the indicated yield. It is a responsibility of the customer managing the products, to follow the indications of the SDS and to verify the suitability of the application system with every single application, conducting further specific and appropriate tests.