

STRIASOL 500 SP V02

Rollable semi-thick epoxy coating



DEFINITION

Two-component epoxy coating
Applied by roller
Solvent free

INTENDED USES

Premises subject to heavy traffic:
- Car parks
- Public floor surfaces, industrial and household environments
- Warehouses
- Loading docks, garages
- Nuclear power plants

For indoor use exclusively.

PROPERTIES

Good resistance to :
- Abrasion
- Impacts
- Chemicals (consult our Technical Department)

Note : coating properties, except for the aspect, are not affected by actinic radiation.

To obtain an antislippery surface or a nonskid surface it is necessary to use an additive or to sprinkle fillers on the surface , consult our Technical Department.

TECHNICAL DATAS

Dry film finish	: Glossy
Colour(s)	: According to colour cards SOL, RAL/AFNOR
Number of components	: 2
Mixing ratio by weight	: 79/21
Mixing ratio by volume	: 74/26
Specific gravity	: 1,53 +/- 0,05 g/cm ³
Solids weight	: 95,5 +/- 2%
Solids volume	: 91,5 +/- 3%
Induction time at 20°C	: None
Pot life of mixing	: 30 to 40 minutes at 20°C 10 to 20 minutes at 30°C
Temperature of product for application	: between 15 and 30 °C
Theoretical spreading rate	: 500 g/m ² for 300 µm dry
Practical spreading rate	: 500 to 800 g/m ² depending on the surface, the conditions, the application equipment, etc...
Dilution	: Ready-to-use
Cleaning of equipments	: 67-232 v02

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INSTRUCTIONS

Surface preparation

Concrete or tiling : previously prepared and coated with an adequate primer.

Steel : After grease removal/cleaning operations, abrasive blast cleaning to Sa 2 1/2 (according to ISO 8501-1) with a "mid G" profile roughness according to ISO 8503-2 (Ra 10/13µm).

Apply a coat of EPODUX PRIMER 61-134 v01 or of PRIMODUX H, EPODUX IM 209 depending on the painting overcoating time and the recommendations as per our technical data sheets.

In case of a concrete or tile after making the surface preparation, a racking operation may be necessary depending on the surface state obtained in order to recover the flatness. This racking operation is performed after application of the primer using the MULTI RESIN v01 charged.

Product preparation

Store at 20°C, 24 hours before application.

STRIASOL 500 SP V02 is provided as a 2 components kit, base coat and hardener, undivisible. Mix the components by means of a mechanical low-speed stirrer.

Take care not to introduce air.

If the mixture is not homogeneous, non polymerised zones may appear, soft and/or tacky.

Once the product is ready, it must be used immediately as it has a limited potlife. During the polymerisation time, avoid draughts that can blush the surface (cool and damp air increase this effect).

Number of coats : 1 to 2

INFORMATIONS

Applicable on	Concrete	Percolated asphalt	Steel	Bituminous surface	Wood	Tiles
	✓		✓			✓
Previous coat	PAREVAPOX, RESINE MULTICOUCHE v01, RESINE MULTICOUCHE SR, STRIAFIX, STRIAPRIM, STRIASOL SP S/C, EPODUX PRIMER 61-134 v01, STRIASOL 500 SP V02					
Next coat	STRIASOL 310, STRIASOL 250 SP, STRIASOL 500 SP v02, STRIASOL PU, STRIATHANE UVR					

USES

Function/Aspect	Product	Preparation of mixing	Spreading rate	Application equipment
Anti-slip surface	STRIASOL 500 SP v02 Antislip additive	Base and hardener and a 360g dose of anti-slip additive for 18 kg kit	400 to 450 g/m²	10-12 mm roller
Smooth surface	STRIASOL 500 SP v02	Base and hardener	500 g/m²	10-12 mm roller
Grip surface	STRIASOL 500 SP v02 Quartz	Base and hardener applied over a mass coat (RESINE MULTICOUCHE v01 + QUARTZ 57) and sprinkled with QUARTZ 0,4-0,9 mm	600 to 800 g/m²	10-12 mm roller

The pot life of STRIASOL 500 SP v02 is limited so that it must be applied without delay.

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APPLICATION CONDITIONS

Store at 20°C, 24 hours before application.

Ambient temperature	: Minimum : 10°C / Maximum : 30°C
Ambient humidity	: 85% maximum
Substrate humidity	: No condensation
Substrate temperature	: Must be greater than 10°C and 3°C above dew point in order to prevent condensation

DRYING / OVERCOATING TIME

Drying time and humidity < 80%		10°C	20°C	30°C
Light traffic		6 days	3 days	2 days
Normal traffic		15 days	7 days	3.5 days
Dry		48 hours	24 hours	12 hours
Hard		15 days	7 days	4 days
Overcoating time	Minimum :	48 hours	24 hours	12 hours
	Maximum :	15 days	7 days	4 days

CLEANNING

First cleaning : After complete polymerization of the coating, (7 days at 20°C). Resin-based floor coating systems, such as all seals and floorings, must be well maintained in order to ensure long-lasting properties and satisfactory results. The recommended cleaning rules must be respected, (cf to our procedure). Some performances (such as slip resistance, chemical resistance, conductivity...) are some of the characteristics that can evolve rapidly depending on use and lack of maintenance. Those are normal wear phenomena.

REPORTS

- Adhesion, abrasion and washability: CERIEPEC
- SRT coefficient for roughness: LRPC
- Bending / compression: VERITAS
- Friction coefficient of soils: INRS
- Reaction to fire: FCBA
- Abrasion, impact and chemicals resistance: Maestria laboratories
- Traction, BCA wear, hardness: Maestria laboratories

REGULATORY SPECIFICATIONS

CE : CE 2013 (1) - EN13813SR (2) - B2,0 (3) - AR0,5 (4) - IR2,5 (5) - Bfl S1 (6)

CE marking: the harmonized European standard NF EN 13813 "Screed materials and screeds" is the European standard that defines the requirements that apply to screed materials for the construction of indoor floorboards. The screed systems based on synthetic resin fall under these specifications. They are to be marked according to appendix ZA. 3, tables ZA.1.5 and 3.3 and fulfil the conditions set forth in the guideline concerning Construction Products Regulation (305/2011).

1) Year of the CE marking, 2) SR: Synthetic resin, 3) Adherence force, 4) Resistance to wear, 5) Resistance to impacts, 6) Reaction to fire

AFNOR classification	: Classement AFNOR NFT 36 005 Famille I Classe 6b
Certifications	: EDF : Used as finish in various systems approved by EDF for nuclear power plants. Listed in the FNP (National Paint Database) under number 1082.
VOC (directive 2004/42/CE)	: EU limit value for this product (A/j) : 500 g/l (2010). Ce produit contient au maximum 200 g/l de COV

HEALTH AND SAFETY

Flash point	: Base : Superior to 60°C, Hardener : Superior to 60°C
Use precautions, labelling, transport	: Refer to safety data sheet established according to European Directives
Shelf life	: 2 years in its unaltered and sealed original container. Store in a cool, well-ventilated area, sheltered from bad weather.

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PACKAGING

KIT	BASE	HARDENER
18 kg	14,20 kg	3,80 kg