

STRIASOL 2000 NF0

3 or 4 components, self-levelling, epoxy coating, 2-4 mm



DEFINITION

3 or 4 component, thick, self-levelling epoxy coating.
Applicable thickness from 2 to 4 mm.
Solvent free.

INTENDED USES

Industrial floors submitted to high traffic such as :

- Warehouses,
- Factories,
- Laboratories,
- Nuclear power plants, etc...

Indoor use exclusively.

Decontaminable as per EDF CCTR criteria.

Before overcoating STRIASOL 2000 NF0, it is imperative to contact our Technical Department.

PROPERTIES

Coating :

- Smooth, hard.
- Resistant to chemicals (please contact our Technical Department).
- Having Good mechanical properties.
- Applicable on concrete, tiles primed with a coat of primer adapted to the nature of the substrate.

TECHNICAL DATAS

Dry film finish	: Glossy
Colour(s)	: Colourless , tinted with epoxy paste (4 components) or factory-tinted (3 components)
Number of components	: 3
Mixing ratio by weight	: Base/Hardener/Filler 23.10/11.10/65.80
Specific gravity	: 1,77 +/- 0,10 g/cm ³
Solids weight	: 98,4 +/- 2%
Solids volume	: 96,6 +/- 3%
Induction time at 20°C	: None
Pot life of mixing	: 20 to 30 minutes at 20°C 10 to 20 minutes at 30°C
Temperature of product for application	: between 15 and 30 °C
Theoretical spreading rate	: 3,6 kg/m ² for 2 mm
Practical spreading rate	: 4 to 5 kg/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.

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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.

Product preparation

Store at 20°C, 24 hours before application.

STRIASOL 2000 NF0 is provided as a 3 or 4 components kit, Base /Hardener/Fillers/Tint, undivisible, that are to be stirred thoroughly during use by means of a mechanical low-speed stirrer, taking care not to introduce any air.

In order to achieve the best results, it's imperative to : mix the Base, the Fillers and the Tint (if needed), leave to wet for 20 to 30 minutes, and introduce the Hardener while stirring.

If the mixture is not homogeneous, non polymerised zones may appear. These area will remain 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).

Proceed to bubble removal operations with a antibubble roller, some 30 to 40 minutes following the application.

Number of coats : 1

INFORMATIONS

Applicable on	Concrete	Percolated asphalt	Steel	Bituminous surface	Wood	Tiles
	✓		✓			✓
Previous coat	RESINE MULTICOUCHE v01, STRIAFORM.					
Next coat	Contact our Technical Department					

USES

Function/Aspect	Product	Preparation of mixing	Spreading rate	Application equipment
Finish	STRIASOL 2000 NF0	Base, Hardener, Filler and Broyé Epoxy (if needed) for tinting purposes	i.e. 5,80 kg/m ² for 3 mm	Toothed spatula, rake-comb, and antibubble roller

The potlife of STRIASOL 2000 NF0 is limited so it is imperative to apply the mixture without any 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	: Out of 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		7 days	3 days	4 days
Normal traffic		14 days	7 days	4 days
Dry		48 hours	24 hours	12 hours
Hard		14 days	7 days	4 days
Overcoating time	Minimum :	48 hours	24 hours	12 hours
	Maximum :	12 days	6 days	3 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

- Fire reaction : CSTB
- Resistance to bending/compression : VERITAS
- Decontamination ability : POINTER
- Leaching : SOCOR
- Resistance to abrasion, impacts, chemicals, adhesion, BCA wear, Shore hardness : Maestria Laboratory

REGULATORY SPECIFICATIONS

CE : CE 2013 (1) - EN13813SR (2) - B2,0 (3) - AR0,5 (4) - IR20 (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 a system approved by EDF for nuclear power plants. listed in the FNP (national paint database) under number 1083.
VOC (directive 2004/42/CE)	: EU limit value for this product (A/j) : 500 g/l (2010). Ce produit contient au maximum 110 g/l de COV

HEALTH AND SAFETY

Flash point	: Base : Superior to 61°C, Hardener : Superior to 61°C
Use precautions, labelling, transport	: Refer to safety data sheet established according to European Directives
Shelf life	: 2 years in original full, sealed packaging. Store in a cool, ventilated place, sheltered from bad weather.

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PACKAGING

KIT	BASE	HARDENER	FILLER
38.45 kg	8.80 kg	4.65 kg	25.00 kg