

# STRIASOL HD 59 NF

Waterbased epoxy paint



## DEFINITION

Two-component epoxy paint, odorless, water-diluable, semi-gloss.

## INTENDED USES

STRIASOL HD 59 NF is intended for the floors and walls of:

- technical local,
- agro-food production sites,
- parking lots,
- etc ...

It's use particularly recommended where solvent-based paints can not be used.

## PROPERTIES

STRIASOL HD 59 NF

- is permeable to water vapor, and antidust
- has good mechanical properties and chemical resistance (consult our technical department) as well as a good resistance to abrasion.

STRIASOL HD 59 NF applies to:

- concrete,
- galvanized steel or steel previously prepared and printed using a suitable primer layer,
- old paintings (in any case: imperatively consult our technical services).

Note: the properties of the film, apart from its appearance, 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	: Semi glossy
Colour(s)	: According to colour cards SOL, RAL/AFNOR
Number of components	: 2
Mixing ratio by weight	: 76,50 / 23,50
Mixing ratio by volume	: 77 / 23
Specific gravity	: 1,60 +/- 0,05 g/cm <sup>3</sup>
Solids weight	: 75 +/- 2%
Solids volume	: 62 +/- 3%
Induction time at 20°C	: 5 minutes, before use
Pot life of mixing	: 1h30 at 20°C 45 minutes at 30°C
Temperature of product for application	: between 15 and 30 °C
Theoretical coverage	: 6,0 m <sup>2</sup> / kg soit 170 g / m <sup>2</sup>
Practical spreading rate	: Depends on the surface, the ambient conditions and the application equipment
Dilution	: Water (12 à 15%)
Cleaning of equipments	: Water

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### INSTRUCTIONS

#### Surface preparation

Galvanised Steel : After sweep blasting, apply a coat of EPODUX PRIMER 61-134 v01 depending on the painting schedule and the recommendations set forth in our technical data sheet.

Concrete : in compliance with recommendations set forth in DTU 59-3 or DTU 54-1 concerning the preparation and quality of flooring before painting operations : dry surface, clean, pollutant free, showing sufficient roughness to enable the coating adherence.

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.

#### Product preparation

Store at 20°C, 24 hours before application.

STRIASOL HD 59 NF is provided as a 2 components kit, Base and Hardener, undivisible, must be mixed thoroughly before application with a mechanical stirrer, at slow speed, in order to prevent the inclusion of air bubbles

Prepare the mixing as following :

- homogenize the Base
- introduce the Hardener into the Base and mix them together
- dilute with water and mix them again

Note : In the absence of a primer, the first coat must be imperatively applied with a roller and dilute 12 to 15% in order to favor its penetration in the support.

**Number of coats :** 2 à 3

### INFORMATIONS

Applicable on	Concrete	Percolated asphalt	Steel	Bituminous surface	Wood	Tiles
Previous coat	Itself, STRIASOL HD PRIMER, STRIAFIX, STRIASOL SP S/C, RESINE MULTICOUCHE v01, EPODUX PRIMER 61-134 v01, PRIMODUX H, EPODUX IM 209, EPODUX IM 213, STRIASOL 250 SP					
Next coat	Itself, STRIASOL 310, STRIASOL PU, POLYSTRIA v01, STRIAQUA B 58					

### USES

Function/Aspect	Product	Preparation of mixing	Spreading rate	Application equipment
Smooth	STRIASOL HD 59 NF	Base and Hardener	5 à 6 m²/kg	Roller 10-12 mm
Anti slip surface	STRIASOL HD 59 NF Antislip additive	Base and Hardener in which will be added a dose of antislip additive	5 à 6 m²/kg	Roller 10-12 mm
Anti-skid surface	STRIASOL HD 59 NF QUARTZ 57	Base and Hardener sprinkled with QUARTZ 57 between two coats	5 à 6 m²/kg	Roller 10-12 mm

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### APPLICATION CONDITIONS

Store at 20°C, 24 hours before application.

Ambient temperature	: Minimum : 10°C / Maximum : 30°C
Ambient humidity	: 80% maximum
Substrate humidity	: 4% maximum
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		14 days	7 days	4 days
Dry		24 hours	12 hours	6 hours
Hard		14 days	7 days	4 days
Overcoating time	Minimum :	24 à 48 hours	12 à 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

- Reaction to fire: FCBA
- PCS : FCBA
- Leed : Eurofins
- Perméabilité to water : Pourquery
- Permeability to water vapor : SGS
- Resistance to abrasion, shock, chemical, traction, hardness : Maestria Laboratory

### REGULATORY SPECIFICATIONS

AFNOR classification : Classement AFNOR NFT 36 005 Famille I Classe 6b  
VOC (directive 2004/42/CE) : EU limit value for this product (A/j) : 140 g/l (2010).  
Ce produit contient au maximum 20 g/l de COV

### HEALTH AND SAFETY

Flash point : Base : > 100°C, Hardener : > 100°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..

### PACKAGING

KIT	BASE	DURCISSEUR
5 kg	3.825 kg	1.175 kg
20 kg	15.3 kg	4.7 kg