# STRIATHANE UVR

High solid outdoor polyurethane coating

## DEFINITION

Two components polyurethane coating :
- Glossy,
- High solid.

## INTENDED USES

Applicable on :
- Concrete,
- Steel or galvanised steel treated with EPODUX PRIMER 61-134 v01,

Floors of :
- Exterior car parks, Footbridges, Exhibition halls.
- Entrance of shopping malls, etc...

exposed to UV radiation.

## PROPERTIES

Good resistance to :
- Normal creep of bituminous surfaces, (please contact our Technical Department).
- Chemical agents (please contact our Technical Department).

Good resistance to :
- UV, bad weather (does not turn yellow nor chalking).

**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

| | | |
|---|---|---|
| Colour(s) | : | According to colour cards SOL, RAL or AFNOR |
| Number of components | : | 2 |
| Mixing ratio by weight | : | 67,5/32,5 |
| Mixing ratio by volume | : | 61,0/39,0 |
| Specific gravity | : | 1,28 +/- 0,05 g/cm³ |
| Solids weight | : | 89 +/- 2% |
| Solids volume | : | 83 +/- 3% |
| Induction time at 20°C | : | None |
| Pot life of mixing | : | 20 to 30 minutes at 20°C<br>10 to 15 minutes at 30°C |
| Temperature of product for application | : | between 15 and 30 °C |
| Theoritical spreading rate | : | 300 to 600 g/m² for 200 to 400 µm dry |
| Practical spreading rate | : | 300 to 750 g/m² depending on the surface, the conditions, the application equipment, etc... |
| Dilution | : | Ready to use |
| Cleaning of equipments | : | 68-69 v01 ou 61-161 v01 |

# STRIATHANE UVR

High solid outdoor polyurethane coating

## INSTRUCTIONS

### Surface preparation

Coated surfaces : The surface must be clean, dry, cohesive, free from any form of pollutant and show a maximum true sand height value of HSv = 1.50 mm (according to NFP Standard 98-216-1). New surfaces must be at least one month old, free from any pollution and boast sufficient roughness to enable the mortar to adhere to the surface.

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.

### Product preparation

Store at 20°C, 24 hours before application.
STRIATHANE UVR 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 à 2

## INFORMATIONS

| Applicable on | Concrete ✓ | Percolated asphalt ✓ | Steel ✓ | Bituminous surface | Wood | Tiles ✓ |
|---|---|---|---|---|---|---|
| Previous coat | PAREVAPOX, RESINE MULTICOUCHE v01, RESINE MULTICOUCHE SR, STRIASOL SP S/C, STRIAFIX, STRIAPRIM, EPODUX PRIMER 61-134 v01, EPODUX IM 209, PRIMODUX H. | | | | | |
| Next coat | STRIASOL PU, STRIATHANE UVR, POLYSTRIA v01. | | | | | |

## USES

| Function/Aspect | Product | Preparation of mixing | Spreading rate | Application equipment |
|---|---|---|---|---|
| Smooth | STRIATHANE UVR | Base and Hardener | 350 to 400 g/m² | 10-12 mm roller |
| Anti-skid surface | STRIATHANE UVR QUARTZ | Base and Hardener applied over a mass coat (RESINE MULTICOUCHE v01 + QUARTZ 57) and powdering of QUARTZ 0,4-0,9 mm | 400 to 600 g/m²<br>2,5 à 3,0 Kg/m² | 10-12 mm roller |
| Anti-slip surface | STRIATHANE UVR anti-slip additive | Base and Hardener in which will be added a dose of 240 g of anti-slip additive by 10 kg Kit | 350 to 400 g/m² | 10-12 mm roller |

The pot life of the STRIATHANE UVR is limited and it is therefore imperative to apply the mixture with no delay.
Before applying STRIATHANE UVR on the RESINE MULTICOUCHE v01 or RESINE MULTICOUCHE SR lightly

## STRIATHANE UVR
High solid outdoor polyurethane coating

roughen using a single-disc machine.

### APPLICATION CONDITIONS

Store at 20°C, 24 hours before application.

| | |
|---|---|
| Ambient temperature | : Minimum : 10°C / Maximum : 30°C |
| Ambient humidity | : 85% maximum |
| Substrate humidity | : Dew point + 3°C |
| 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 | | 48 hours | 24 hours | 12 hours |
| Hard | | 15 days | 7 days | 4 days |
| Overcoating time | Minimum :<br>Maximum : | 48 hours<br>6 days | 24 hours<br>3 days | 12 hours<br>1,5 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 ensurelong-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

- Washability, adherence, permeability and artificial ageing : LROP n° 37297
- Elongation : CIBA
- Coefficient of friction : INRS
- Slip coefficient of friction : CETE

### REGULATORY SPECIFICATIONS

CE : CE 2013 (1) - EN13813SR (2) - B2,0 (3) - AR0,5 (4) - IR7,5àIR8 (5) - Cfl 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 6a |
| VOC (directive 2004/42/CE) | : EU limit value for this product (A/j) : 500 g/l (2010).<br>Ce produit contient au maximum 200 g/l de COV |

### HEALTH AND SAFETY

| | |
|---|---|
| Flash point | : Base : Between 21/23°C and 55°C, Hardener : Between 21/23°C and 55°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 | HARDENER |
|---|---|---|
| 10 kg | 6,75 kg | 3,25 kg |



Maestria PEINTURES & SYSTÈMES
Laboratoire Recherche & Développement - Usine - Administration
Z.I. -1, rue Denis Papin - 09100 PAMIERS - Tél. 05 61 67 97 40 - Fax : 05 61 67 05 47
Contact : accueil@maestria.fr - Site internet : www.maestria.fr