

FLORCOAT 313

Two component PU top coat, solvent based, colored, gloss.

Product description

FLORCOAT 313 is a pigmented solvent containing, low viscous, two component polyurethane top coat.

Fields of application

FLORCOAT 313 is used outdoor as UV- and weathering resistant which used on epoxy or polyurethane system. Usually used in areas subject to foot and light vehicular traffic such as walkways, workshops, production facilities, warehouses, car parks, and garages.

Properties

FLORCOAT 313 exhibits good adhesion to non-porous elastic waterproofing membranes.

FLORCOAT 313 is easy to apply and is used to improve the UV resistance.

Fully cured, **FLORCOAT 313** exhibits excellent mechanical properties and is resistant to water, sea and wastewater, a variety of alkaline substances, diluted acids, brine, mineral oils, lubricants, and fuels.

Technical Data

Mixing ratio	in parts by weight	Part A : Part B	3: 1
Packaging size	total	kg	20
	A : B	kg	15 : 5
Solid content		%	64
Density	component A, at 23 °C	g/cm ³	1.24
	component B, at 23 °C	g/cm ³	1.15
	mix, at 23 °C	g/cm ³	1.27
Viscosity	mix, 4 mm DIN cup, at 23 °C	s	90
Application time	at 23 °C	min	60
Re-coating interval	minimum, at 23 °C	h	24
	maximum, at 23 °C	d	3
Dust dry after	at 23 °C	h	1
Fast to handling	at 23 °C	h	5
Ready for foot traffic	at 23 °C	h	24
Fully cured, ready for exposure to traffic	at 23 °C	d	5
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximum	%	80

Above figures are guide values and should not be used as a base for specifications!

Application method

FLORCOAT 313 is supplied in the correct proportions of component A (resin) and component B (hardener).

Pour component B into component A and ensure that the pail containing component B is emptied completely.

To achieve a homogenous mix, thoroughly mix with a slow rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches the side and bottom areas of the mixing vessel.

The mixing process takes at least 2 minutes and should be performed until the blend is homogenous and streak free.

Pour the mix into another clean pail and mix it again for one additional minute.

The temperature of both components should be between 15 - 25 °C.

The mixed product is spread onto the surface with a squeegee and back roll with short nap roller. The operative should wear spiked shoes to walk on the still wet coating. The formation of puddles should be avoided. For a good finish, we recommend rolling in one direction with a wide short-pile mohair roller.

The pot life and curing time of **FLORCOAT 313** are influenced by the ambient, material and substrate temperature. At low temperatures, chemical reactions are generally slowed down; this lengthens the pot life, re-coating interval and open time. At the same time, the viscosity increases which leads to a higher consumption. High temperature and humidity accelerate chemical reactions, so the contrary is true. Direct sunlight shortens the time frames considerably.

After application, the material should be protected from direct contact with water for approx. 12 hours (at 15 °C). Within this period, water could cause foaming of the material.

Cleaning agent

Re-usable tools should be cleaned carefully with suitable solvents (e.g. butyl acetate). Never use water or alcoholic solvents as cleaners.

Substrate condition

FLORCOAT 313 is applied on FLORPRIME.

Substrates to be coated have to be firm, dry, load bearing and free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

Pre-treatment of the substrate by e.g. grinding or sanding (smooth floors only) is only necessary if the coating is very dirty, when applied onto old coatings or if the re-coating interval has been exceeded.

The temperature of the substrate must be at least 3 °C above the current dew point temperature.

Pack size

FLORCOAT 313 is supplied in 15 kg and 5 kg working packs. component A and B are supplied separately in the correct proportions.

Colour

On request

Storage

Store in original closed packing under dry conditions at a temperature range of 15 - 25 °C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum.

Safety precautions

FLORCOAT 313 is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

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