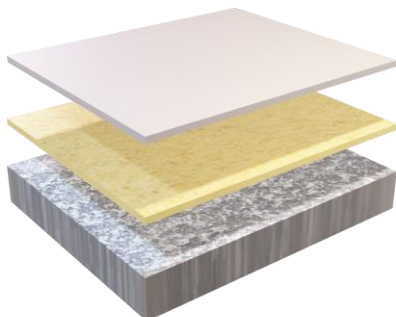


FLORCOAT 313

2 component, PU UV topcoat, solvent based, colored.

SYSTEM BUILD UP



- Top Coat : Florcoat 313
- Primer : Florprime 112, Florprime 112 FC
- Substrate : Concrete, cementitious crete, magnesite creed, other moisture sensitive substrate.

FEATURES

- **Chemical resistant** – to most acids and alkalis, solvents, and petroleum oils.
- **UV resistant** – no yellowing, color stable.
- **Wear resistant** – durable and resilient even in harsh environment.
- **Aesthetics versatility** – available in many colors and finishes.

APPLICATION AREAS

- FLORCOAT 313 is recommended for application as a topcoat in areas where maintaining color stability and UV resistance is utmost importance.
- It is applied over an epoxy or polyurethane system in areas exposed to light vehicular traffic, including car parks bay & garages, walkways, workshops, production facilities and plant rooms, storages room and warehouses.

PHYSICAL PROPERTIES

Chemical composition	Solvent based polyurethane
Color	Flortech standard
Finish	Matt, Satin, Gloss
Solid contents, mixed	62 %
Density, mixed	1.26 g/cm ³ @ 25 °C
Viscosity, mixed	100 – 180 cps

PERFORMANCE DATA

Adhesive strength	> 1.5 N/mm ²
Abrasion resistance	Taber CS10, 1000 cycles – 18.2 mg Taber CS17, 500 cycles – 24.9 mg

PACKAGING

Components	Total	Part A	Part B
Gloss	4 kg	3 kg	1 kg
Satin & Matt	5 kg	4 kg	1 kg

APPLICATION GUIDE

Mixing ratio (by weight)	Gloss 3 : 1	Satin & Matt 4 : 1
Working time	Approximately 20-25 minutes @ 25 °C	
Application temperature	10 – 30 min °C (min 3 °C above dew point)	
Material consumption	0.1 – 0.12 kg/m ²	
Following coating	Withing 24 hours @ 25 °C	
Curing time	@ 30 °C	
	Foot traffic	After 18 – 24 hours
	Light traffic	After 3 days
	Exposure to chemicals	After 7 days

SUBSTRATE REQUIREMENT & PREPARATION

- Concrete substrate must be clean, free of laitance and contaminants and have tensile strength of 1.5 N/mm² minimum.
- FLORCOAT 313 can directly applied onto an existing epoxy or polyurethane topping. In the case of a newly applied topping (within 12 - 24 hours), light grinding will be required.

APPLICATION METHOD

- Prior to starting the application, ensure that the material temperature aligns with on-site conditions. The relative humidity should not exceed 85%.
- Blend component A (resin) for 1-2 minutes. Pour the contents of component B (hardener) into component A. Use an appropriate mixer at a speed of 500 rpm to prevent excessive air from being introduced into the mixture. Continue mixing for 2 minutes.
- Spread the material onto the surface using a squeegee, and then follow up with back rolling using a short-nap roller.
- The person carrying out the application should wear spiked shoes to walk on the coating while it's still wet. It's essential to prevent the formation of puddles. For a high-quality finish, we recommend rolling in a single direction with a wide, short-pile mohair roller.
- Clean the tools and other contaminants by using thinner.

OVERCOATING

- The second coat can be applied within 24 hours without the need for grinding.
- However, if more than 24 hours elapse, light grinding is necessary before applying the overcoat.

STORAGE & SHELF LIFE

Shelf Life	9 months in closed original container.
Storage	Dry, well-ventilated space and avoid direct sunlight @ 10 – 30 °C.

DISCLAIMER

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