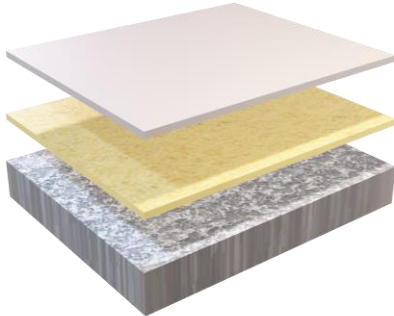




# FLORCOAT 880 SL

*2 component, epoxy self levelling topping, water based, colored, semi-gloss.*

## SYSTEM BUILD UP



- Top Coat : Florcoat 880
- Primer : Florprime 180
- Substrate : Concrete, cementitious crete, magnesite creed, other moisture sensitive substrate.

## FEATURES

- **Chemical resistant** – to most solvents, petroleum oils and commercial cleaning agents.
- **High solids** – high dry film thickness, durable.
- **High water vapor permeability** - Does not develop blisters in situations exposed to hydrostatic pressure.
- **Low VOC emission** – low odour, low pollution.
- **Solvent free** – nontoxic, environmentally friendly.
- **Water impermeable** – waterproof.
- **Good adhesion** to concrete and other topping materials.

## APPLICATION AREAS

- **Florcoat 880 SL** is a two-component, colored, advanced water-based self-leveling floor topping specially formulated for enduring heavy vehicular traffic. It delivers a robust, durable, and seamless surface that is effortless to maintain and exhibits resistance to fuels, oils, and a wide range of solvents and chemicals.
- In contrast to conventional epoxy systems, **Florcoat 880 SL** demonstrates better UV stability and weather resistance.

## PHYSICAL PROPERTIES

<b>Product type</b>	2 component, water-based epoxy self levelling topping
<b>Color</b>	Flortech standard
<b>Finish</b>	Silky matt
<b>Solid contents, mixed</b>	80 %
<b>Density, mixed</b>	1.78 g/cm <sup>3</sup> @ 25 °C
<b>Viscosity, mixed</b>	4000 – 4500 cps @ 25 °C



PERFORMANCE DATA		
Adhesive strength	> 1.5 N/mm <sup>2</sup>	DIN ISO 4624
Flexural strength	17 N/mm <sup>2</sup>	DIN EN 196/ ASTM C190
Compressive strength	55 N/mm <sup>2</sup>	DIN EN 196/ ASTM C190
Abrasion resistance	78 mg/1000 cycles (Taber CS 10 wheel)	DIN 53754/ ASTM D1044
Shore D hardness	80 after 7 <sup>th</sup> days	DIN 53506/ ASTM D2240
Value of water vapor resistance	$\mu = 4000$	DIN 5261523/50-95
E modulus	7000 N/mm <sup>2</sup>	

PACKAGING		
Components	Part A	Part B
TOTAL : 28 kg	25 kg	3 kg

APPLICATION GUIDE		
Mixing ratio (by weight)	Part A : Part B 100 : 12	
Working time	Approximately 25 – 30 minutes @ 25 °C	
Application temperature	10 – 30 min °C (min 3 °C above dew point)	
Material consumption	1.8 – 2.3 kg/m <sup>2</sup>	
Following coating	Withing 24 hours @ 25 °C	
Curing time	@ 25 °C	
	Foot traffic	After 24 hours
	Light traffic	After 7 days
	Exposure to chemicals	After 28 days

SUBSTRATE REQUIREMENT & PREPARATION	
<ul style="list-style-type: none"><li>• Concrete substrate must be clean, free of laitance and contaminants and have tensile strength of 1.5 N/mm<sup>2</sup> minimum.</li><li>• <b>Florcoat 880 SL</b> can be applied on green concrete.</li><li>• To achieve the ideal mechanical interlock, prepare the substrate by either captive shot blasting or diamond grinding to enhance the appropriate surface profile.</li><li>• Address any imperfections, including cracks and holes, by using an epoxy patching compound like <b>Florprime 110</b> where needed.</li><li>• Eliminate surface laitance, contaminants, coatings, curing compounds, and any weak or loose materials.</li><li>• If applied on Florprime 180, allow the material to cure for minimum 8 hours but no longer than 24 hours before starting the application.</li></ul>	

### 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.
- Pour and spread the material onto the surface by using a notched trowel or pin rake.
- To maintain consistent thickness, it's important to periodically inspect and replace the spreading tool.
- Ensure proper ventilation to prevent the relative air humidity from surpassing 80% during both application and curing phases, as excessive humidity can hinder water evaporation and impact the curing process.

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

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