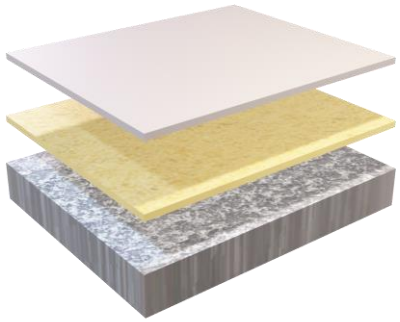
FLORCOAT 800

2 component, epoxy top coat, water based, colored, semi-gloss.

SYSTEM BUILD UP



Top Coat	:	Florcoat 800
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.
- **Low VOC** – low odour, low pollution.
- **Solvent free –** nontoxic, environmentally friendly.
- **Easy application –** roller or spray can be used for fast installation.
- **High water vapor permeability -** Does not develop blisters in situations exposed to hydrostatic pressure.
- **Good adhesion** to concrete and other topping materials.

APPLICATION AREAS

- **Florcoat 800** is a two component, water-based epoxy coating which specifically formulated for application as a protective coating on various surfaces, including concrete, brick, block work, steel, timber, and laminates.
- It is particularly recommended for use in areas exposed to conditions like water condensation, high-pressure water cleaning, and vehicular traffic. Additionally, it is a suitable choice for wall coatings in pharmaceutical and food manufacturing environments.

PHYSICAL PROPERTIES

Product type	2 component, water-based epoxy
Color	Flortech standard
Finish	Semi-gloss
Solid contents, mixed	75 %
Density, mixed	1.48 g/cm^3 @ 25 °C
Viscosity, mixed	4000 - 6400 cps 25 °C

PERFORMANCE DATA	
Adhesive strength	> 1.5 N/mm^2 , DIN ISO 4624

PACKAGING		
Components	Part A	Part B
TOTAL : 22 kg	18 kg	4 kg

APPLICATION GUIDE		
Mixing ratio (by weight)	Part A 4.5	: Part B : 1
Working time	Approximately 20-25 minutes @ 20 – 25 °C	
Application temperature	10 – 30 min °C (min 3 °C above dew point)	
Material consumption	0.25 – 0.30 kg/m^2 on smooth surface 0.40 – 0.60 kg/m^2 on broadcasted surface	
Following coating	Withing 24 hours @ 25 °C	
Curing time	@ 25 °C	
	Foot traffic	After 6 – 8 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.
- Concrete should be dry and no ponded water.
- To achieve the ideal mechanical interlock, prepare the substrate by either captive shot blasting or diamond grinding to enhance the appropriate surface profile.
- Address any imperfections, including cracks and holes, by using an epoxy patching compound like **Florprime 110** where needed.
- Eliminate surface laitance, contaminants, coatings, curing compounds, and any weak or loose materials.

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 in crisscross manner.

APPLICATION METHOD
• When applied without water dilution, it will result in a textured (resembling orange peel) and a shinier finish. • For a smoother finish, dilute with 3 to 5% water before application. This will slightly reduce the sheen and make the surface more susceptible to collecting dirt. • Clean the tools and remove contaminants by using water.

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.

DISCLAMER
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