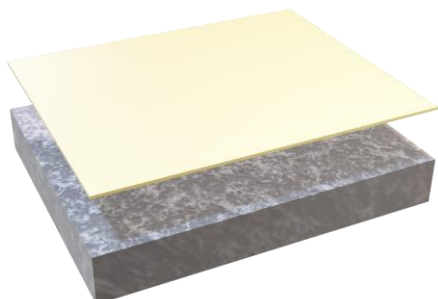


FLORPRIME 180

2 component, epoxy primer, concentrate, water based.

SYSTEM BUILD UP



Primer : Florprime 180

Substrate : Concrete, cementitious crete, magnesite creed, other moisture sensitive substrate.

FEATURES

- **High solid** – higher dry film thickness compared to traditional water-based epoxy primer.
- **Vapour permeable** – can be used on newly laid concrete.
- **Solvent free** – nontoxic, nonflammable and environmentally friendly.
- **Low VOC emission** – less pollution, less impact on air quality.
- **Good adhesion** – towards other coating systems.
- **Easy application** – can be applied by roller for fast installation.

APPLICATION AREAS

- **Florprime 180** is two component epoxy water-based primer that can be applied on concrete, magnesite substrate and cementitious screeds.

PHYSICAL PROPERTIES

Product type	2 component, water-based epoxy primer		
Color	Whitish		
Solid contents, mixed	Concentrate	:	80 %
	Diluted	:	65 %
Density, mixed	1.81 g/cm ³ @ 25 °C		
Viscosity, mixed	200 – 500 cps @ 25 °C		

PERFORMANCE DATA

Adhesive strength	> 1.5 N/mm ²	DIN ISO 4624
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PACKAGING

Components	Part A	Part B	Water
TOTAL : 28 kg	25 kg	3 kg	3 L

APPLICATION GUIDE			
Mixing ratio (by weight)	Part A 100	: Part B : 25	Water 16 parts
Working time	Approximately 25 – 30 minutes @ 25 °C		
Application temperature	10 – 30 min °C (min 3 °C above dew point)		
Material consumption	0.2 – 4 kg/m ²		
Following coating	Withing 24 hours @ 25 °C		
Curing time	@ 25 °C		
	Foot traffic	After 6 – 18 hours	

SUBSTRATE REQUIREMENT & PREPARATION
<ul style="list-style-type: none"> Concrete substrate must be clean, free of laitance and contaminants and have tensile strength of 1.5 N/mm² minimum. 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. For magnesite floor, it is essential to treat with a citric acid solution first and followed by thorough rinsing with a generous amount of water.

APPLICATION METHOD
<ul style="list-style-type: none"> 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 to mix the material at a speed of 500 rpm for 2 minutes. Then add 3 L/kg of water inside into the material and mix again for 2 minutes. Pour and spread the material onto the surface by using a squeegee and roll back with short nap roller. Apply the material at the recommended consumption rate and refrain from applying it excessively thick. Ensure adequate ventilation to maintain a relative air humidity of no more than 85% during application and curing, as excessive humidity can hinder water evaporation and affect the curing process. Depending on the substrate's porosity, a second coat of Florprime 180 may be necessary. Use water to clean any contamination and tools.

OVERCOATING

- The second coat can be applied within 36 hours without the need for grinding.
- However, if more than 36 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.

DISCLAIMER

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