

WATER BORNE EPOXY COATING

Description

KOSFLOR FC-260 is a two components water-borne epoxy coating, it has wide of attractive colors and glossy finishing.

Feature

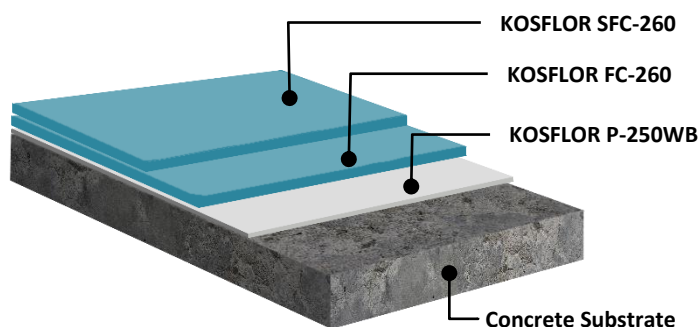
It specially formulated for application as dust and residue protection on concrete wall and floor, as well as any kind of stone in light duty industrial, commercial buildings, warehouse, walk pave and etc.

Benefits

- ❖ Water based – Environment friendly
- ❖ Extremely good adhesion
- ❖ Good chemicals resistance
- ❖ Less sensitive and tolerant with moisture when during application
- ❖ Non slip glass flake finish can be tailored to requirement
- ❖ Available in wide range of colour

Colour & Texture

Wide range of colour – Glossy



Technical Data

Specific Gravity	: 1.22 - 1.35kg/L
Flash Point	: 25°C
Solid Content (mixed)	: 40 ± 2% by Volume
Pot life (working time) 25°C	: 1 hours
Recoating time	: min. 12 hours at 25°C max 48 hours at 25°C
Full cure	: 5 days
Abrasion Resistance CS-17	: <65 mg weight loss after 1000 cycles of abrasion (ASTM D4060)
Maxing ratio by Weight	: Part A : Part B 13.9 : 86.1
Packaging	: 5L (A: 0.80L + B:4.20) 20L (A: 2.98L + B:17.02L)
Self life & storage (unopened and in good conditions temperature 10°C to 30°C)	: 24 months
Material consumption	: 4 m ² /L / coat
Recommended Thickness	: 90 – 100 µm
Cleaning Thinner	: Clean Water

Typical Coating System For Concrete

Coating Sequence	Product Name
Primer	KOSFLOR P-250 WB
Second Coat	KOSFLOR FC-260
Finishing Coat	KOSFLOR FC-260

Depending on the substrate condition, coating system and working conditions, few option of coating system are recommended, please consult our Technical Advisors for more detail.

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Substrate Requirement & Preparation

- Substrate concrete screed should a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm² (concrete failure).
- New concrete floor should be a minimum of 28 days and must be dry to below a moisture content of 4%
- For adequate adhesion of coatings to concrete surface should be free of laitance. Oil, grease, dust, paint residues, algae, loose and friable material must be completely removed from all surface before application the product.
- Rough contaminations and high spots can be remove by grinding.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and a achieved on open texture surface.
- Surface must be dry and free from any leakage source.
- All surface cracks, damage concrete surface must first be repair with KOSSAN epoxy repair compound.

Mixing

Stir Part A mix for 30 seconds by using suitable electrical stirrer (with 750 watt high power mixer), then add all of Part B (hardener) and mix both liquid parts thoroughly for on minute until in fully achieved a homogeneous, then slowly add 5% - 10% of clean water while mixing continues for a further one minute 30 seconds until a fully homogenous mix has been achieved.

Application

- Apply **KOSFLOR FC-260** can be use by suitable roller, brush or trowel and overwork with a roller.
- **KOSFLOR FC-260** should apply within the pot life 60 minutes at 25°C
- Do not apply when the relative humidity exceed 90% on when the surface to be coated is less than 5% above the dew point.
- Do not apply temperature below 5°C and temperature above 40°C

Cleaning of Tools

Clean all tools and application equipment with water immediately after use.

Chemical Resistance

- Dilute Sodium Hydroxide
- Dilute Sulphuric Acid
- Oil and Grease
- Petrol & Lub Oil
- Dilute Acetic Acid
- Dilute Lactic Acid
- Dilute Ammonia Solution
- Bleach

Maintenance and care after cure

Recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

Further Information

Warning and precautions information relating to the safe handling of this product should be found in Material Safety Data Sheet. To be advise to put on suitable clothing and eye-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.

Important Note

KOSSAN PAINT product are warranty against defective materials. Due to different substrate and working conditions, no guarantee of an application result or any liability claims. The users are required to have a test ahead based on their intended use.