

SOLVENT BASED POLYURETHANE COATING

Description

KOSFLOR FC-350 is a colored two components solvent based aliphatic type polyurethane finishes consisting of special blended polyol resin and aliphatic polyisocyanate.

Feature

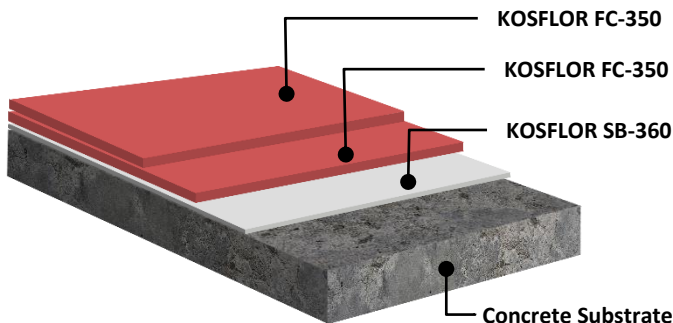
It use for areas with light, medium and high traffic. An extremely finish for interior and exterior use. Suitable for hard ware areas such as industrial and commercial floor and wall, car park decks, garages, warehouse, pedestrian areas, laboratories, electronic clean room, pharmaceutical, refineries, printing pulp paper, mills, roofing and other industrial plants sectors where chemical resistance are required.

Benefits

- ❖ Seamless, monolithic application
- ❖ High abrasion resistance and excellent chemical resistance
- ❖ 100% UV light stable
- ❖ Hygienic, easy to take care
- ❖ Hard wearing floors
- ❖ Water proofing the substrate
- ❖ Available in wide range of colour

Colour & Texture

Wide range of colour – High Gloss



Technical Data

Specific Gravity	: 1.00 - 1.25 kg/L (depend on colour)
Flash Point	: >24°C
Solid Content (mixed)	: 51 ±2% by Volume
Pot life (working time) 30°C	: 2 hours
Recoating time	: min. 16 hours at 30°C max unlimited at 30°C
Touch dry	: 1 hour
Full cure	: 5 days
Abrasion Resistance CS-17	: <30 mg weight loss after 1000 cycles of abrasion abrasion (ASTM D4060)
Maxing ratio by weight	: Part A : Part B 83 : 17
Packaging	: 5L (A: 4L + B: 1L) 20L(A: 16L + B: 4L)
Self life & storage (unopened and in good conditions temperature 10°C to 30°C)	: 12 months
Material consumption	: 4.5 -5 m ² /L / coat
Recommended Thickness	: 100 – 110 µm
Cleaning Thinner	: Thinner 6.04

Typical Coating System For Concrete

Coating Sequence	Product Name
Primer	KOSFLOR SB-360
Second Coat	KOSFLOR FC-350
Finishing Coat	KOSFLOR FC-350

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 form 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 thinner 6.04 (if need) while mixing continues for a further one minute 30 seconds until a fully homogenous mix has been achieved.

Application

- Apply **KOSFLOR FC-350** can be use by suitable roller, brush or Spraying. Finishing recommended to roll in one direction back roll with a wide short-pile mohair roller
- **KOSFLOR FC-350** should apply within the pot life at 30°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 KOSFLOR washing thinner before the product hardens.

Chemical Resistance

CHEMICAL	CONCENTRATION	RESISTANCE
Hydrochloric Acid	30%	Excellent
Nitric Acid	25%	Excellent
Sulphuric Acid	50%	Excellent
Phosphoric Acid	50%	Excellent
Acetic Acid	10%	Excellent
Lactic Acid	10%	Excellent
Citric Acid	10%	Excellent
Sodium Hydroxide	50%	Excellent
Ammonia	10%	Good
Petro	-	Excellent
Butanol	-	Excellent
Skydrol	-	Good
Oil – Vegetable & Mineral	-	Excellent

Maintenance and care after cure

Recommend basic cleaning and maintenance will prolong the life of polyurethane 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 Date 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.