

# FK 333

## Aliphatic polyurethane floor coating

### Description

FK 333 is an aliphatic polyurethane based roll-on floor coating for exterior applications. It has excellent adhesion over primed and screeded surfaces and offers excellent resistance to UV radiation to prevent colour fading.

### Uses

- FK 333 is used as top coat for many Cipy Floorokote systems: Cipoxy, FK or Cipothane systems for exposed areas
- It is applied over primed or self levelled surfaces

### Key features

- Light stable
- Fast curing
- Moderate abrasion resistance
- Good chemical resistance

### Properties

Type	: Aliphatic polyurethane
Mixing ratio (R:H)	: 1 : 1 by volume
Finish	: Glossy
Colour	: Desired shade
Pot life @ 27°C ASTM D 2471	: 1 – 2 hrs
Volume solids ASTM D 2697	: ≥ 60 %
Recommended DFT ASTM D 7091	: 100 microns
Drying time ASTM D 1640	
Surface dry	: ≥ 30 min
Tack free dry	: ≥ 2 hrs
Hard dry	: ≥ 24 hrs
Theoretical coverage	: 6 sq m / litre / coat @ 100 microns
Application	: By roller / brush
Recommended thinner	
Dilution	: PUT 503 / PUT 509
Clean up	: PUT 502

Shelf life : 6 months in the un-opened container

### Performance data

Elongation ASTM D 638	: ≤ 100 %
Abrasion resistance ASTM D 4060	: ≤ 20 mg loss
Tensile strength ASTM D 638	: ≥ 3 MPa
Pull off adhesion test ASTM D 4541	: ≥ 2 MPa for M20 grade concrete Concrete failure
Pendulum test Slip resistance BS 8204	: 40 - 70

### Chemical resistance

Excellent resistance is observed against distilled water, detergent solutions, alkalies and acids.

Chemical spillages should always be wiped up as quickly as possible and not be allowed to concentrate up by evaporation. The data on the list of the chemicals found resistant to this product during our lab study is available on request.

### Directions to use

Ensure that the surface to be top coated is smooth, zero levelled, free of any surface impurities. Mix FK 333 resin and colour pigment for 1 minute and add hardener and continue mixing for 2-3 minutes. Apply FK 333 by roller / brush and cure for 2-3 hours. Apply second coat and allow trafficking after 24 hours of curing.

### Packaging

FK 333 is supplied as 16 lt pack which contains Resin 7.2 lts, EPI 0.8 lts and Hardener 8 lts and has a maximum shelf life of 6 months in the un-opened containers.

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### Storage and handling

The product should be stored in accordance with national regulations. It should be kept in a cool, well ventilated area, away from heat, direct sunlight, sparks and children. It contains inflammable solvents. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot life time.

### Health and safety precautions

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. In case of splashes on the skin, dampen the cloth with thinner PUT 503 and wipe the hands with the cloth. Wash then with soap and water. Dried film is non toxic.

In case of contact with eyes, rinse with plenty of water and seek medical advice. In case of continuous exposure to vapour, the applicator should be immediately moved to get fresh air.

The disposal of excess or waste material should be carried out in accordance with the local legislations.

### Disclaimer

All information contained in this data sheet is given to the best of our knowledge but no warranty is made with respect thereto. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for latest edition. Description and advice regarding Cipy's products are based on long term field and laboratory tests carried out by us. No condition of warranty is given covering the results from the use of materials in the circumstances of any particular application, because the storage, handling and application of the materials are beyond our control.

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