

FK 666

Aromatic polyurethane coating

Description

FK 666 is an aromatic polyurethane based, roll-on floor coating, specifically designed for interior applications. It has excellent adhesion over epoxy and PU primed surfaces and offers excellent gloss, hardness and wear resistance. Apart from using as a regular thin floor coating, FK 666 is especially recommended for yellow banding over coated floorings.

Uses

- FK 666 is used as top coat for many Cipy Floorokote systems: Cipoxy, FK or Cipothane systems
- It is used as coating for yellow bandings
- It is applied over primed or self levelled surfaces

Key features

- Fast curing
- Good abrasion resistance
- Excellent gloss
- Good hardness

Properties

Type	: Aromatic urethane
Mixing ratio (R:H)	: 1 : 1 by volume
Finish	: Smooth glossy
Colour	: Desired shade
Pot life @ 27°C ASTM D 2471	: ≥ 60 min
Volume solids ASTM D 2697	: ≥ 65%
Recommended WFT ASTM D 4414	: 150 microns
Recommended DFT ASTM D 7091	: 100 microns
Drying time ASTM D 1640	
Surface dry	: ≥ 25 min
Tack free dry	: ≥ 3 hrs
Hard dry	: ≥ 24 hrs
Theoretical coverage	: 6-7 sq m / litre / coat @ 100 microns

Application	: By roller / brush
Recommended thinner	
Dilution	: PUT 509
Clean up	: PUT 502
Shelf life	: 6 months in the un-opened container

Performance data

Tensile strength ASTM D 638	: ≥ 5 MPa
Elongation ASTM D 638	: ≥ 20 %
Abrasion resistance ASTM D 4060	: ≤ 100 mg loss

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 and free of any surface impurities.

Coating of FK 666 directly on well-cured epoxy coatings, needs elaborate sanding to achieve mechanical key for better anchoring. Mix FK 666 resin and hardener in 1:1 ratio by volume. Agitate the mixture for 3-4 minutes and apply by roller / brush. Apply second coat with an inter coat interval of 3-4 hours. Allow to cure for 24 hrs before allowing traffic.

Packaging

FK 666 is available in 2 litre packs, which contains 1 litre resin and 1 litre hardener and has a maximum shelf life of 6 months in 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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