



## PU-COTE 406F – Polyurethane Floor Coating

### DESCRIPTION

PU-COTE 406F is a coloured, one component, abrasion resistant, medium duty polyurethane thin-layer floor coating. It can be applied on exterior surfaces as it is colour-stable, UV-stable and weather-stable. Solvent based. It cures by reaction with ground and air moisture.

### USES

PU-COTE 406F is mainly used on medium duty industrial floors, on interior and exterior surfaces, for car parking areas, show rooms, warehouses, stores, factories, etc..

### ADVANTAGES

- Simple application (roller or airless spray)
- Resistant to constant heavy abrasion and wear conditions
- Decorative
- Colour stable
- Chemical resistance
- Applied areas does not absorb liquid or dirt
- Stops the creation of dust
- Glossy and easy-to-clean surface
- No chalking effect of aromatic polyurethane waterproofing coatings

### METHOD OF USE

#### Surface Preparation

The surface needs to be grinded with a stone- or diamond- surface grinding machine (Do not use metal-ball blasting machine). Ensure all surface where PU-COTE 406F is to be applied must be free from oil, grease, wax and loose materials, which may harmfully affect the adhesion of the coating. The surface needs to be clean, dry and sound. Maximum moisture content should not exceed 5%. New concrete structure need to dry for at least 28 days. Do not wash surface with water.

#### Repair of Cracks

Clean cracks and hairline cracks of dust, residue or other contamination. Fill all cracks with suitable putty. Smoothen the putty surface with sandpaper or a mechanical grinder the next day.

#### Application

For absorbent surfaces such as concrete, cement, screed and wood, apply PU-COTE 404P by roller, brush or spray gun. After 2 to 3 hours (not later than 4 hours) and while the primer is still tacky, apply the first layer of coloured PU-COTE 406F.

For non-absorbent surfaces such as metal, terrazzo, mosaic, ceramic tiles, power-floated concrete, apply EPOXICOTE 401P as a primer for the first layer by using a roller or brush. After 12 hours (not later than 18 hours) apply the first layer of coloured PU-COTE 406F.

After application of first layer of coloured PU-COTE 406F, allow 2 to 3 hours for the coating to cure (not more than 4 hours) and apply the second layer of the coloured PU-COTE 406F.

For anti-slip finish, dry silica sand can be sprinkled evenly after the first layer of PU-COTE 406F when still wet.

## HANDLING

PU-COTE 406F should be stored in a dry place under shade, free from moisture contact.

PU-COTE 406F contains isocyanates. Remove splashes from skin with water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

## CONSUMPTION

Approx. 250 to 400 g/m<sup>2</sup> applied in two layers depending on surface porosity and application method.

## PACKING AND SHELF LIFE

PU-COTE 406F is supplied in 20 kg pail grey, white, red and green, and has a shelf life of 9 months in tightly closed original packing.

SPECIFICATIONS	
Composition	Pigmented Aliphatic Polyurethane pre-polymer, solvent based
Elongation at Break	> 100% (ASTM D 412)
Shore A Hardness	40 (ASTM D 2240)
Resistance to Water Pressure	No Leak (1m water column, 24 hr) (DIN EN 1928)
UV and Colour Stability	Excellent
Application Temperature	5°C to 35°C (at 20°C, 50% RH)
Tack Free Time	3 - 5 hours (at 20°C, 50% RH)
Light Pedestrian Traffic Time	12 hours (at 20°C, 50% RH)
Final Curing Time	7 days (at 20°C, 50% RH)

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