

CRAFCO PTC

Waterborne, 2 pack floor coating based on epoxy technology

General

Main properties/ U.S.P.'s

Water dilutable, solvent free.
Suitable for professional use indoors according Arbo-regulations (Dutch).
Excellent mechanical resistance, impact/abrading.
Excellent resistant against plasticizers from tires.
Easy to clean.
Low odor.

Use

Crafco PTC coating is used as indoor flooring. It's very well suitable for indoor areas as parking decks and garages, stores, shops, repair shops, etc. Crafco PTC can also be used as primer for Crafco interior systems.

Application Information

Application conditions

Air temperature: 10 – 30°C.
Surface temperature: 10 – 30°C.
Product temperature: 10 – 30°C.
Relative humidity: maximum 70%. Ventilation is very important in drying of these kinds of water borne products, take precautions for good ventilation, especially at high RV%.
The temperature of the substrate needs to be at least 3° above the condensation point in order to avoid building of condense. Do not apply the product during bad weather conditions. Cement based substrates have to be older than 28 days, unless otherwise specified by suppliers.

Application methods Application data

Brush, roller, wiper, (airless) spray.

Brush, Roller:

Thinning: water.
First layer: max. 5%.
Next layers: max. 3%.

Airless spray (walls):

Thinning: water.
Amount: 10%.
Spray pressure: 140 – 160 bar.
Spray nozzle: 0,380 mm / 0,015 inch.

Airless spray (floor):

Thinning: water.
Amount: 10%.
Spray pressure: 140 – 160 bar.
Spray nozzle: 0,430 mm / 0,017 inch.

Cleaning equipment Advised layer thickness per coat

Sufficient water.
Brush/roller application:
Dry: 100 micrometer = wet 200 micrometer.
Per layer when using a wiper:
Dry: 60-180 = 150-300 micron wet.

Coverage

Crafco PTC: 4 – 6 m²/l.
Practical coverage is depending on many factors, like surface roughness, size sand particles, application method, application circumstances etc.

Mixing ratio

By volume:
Component A: 80 parts.
Component B: 20 parts.
By weight:
Component A: 83 parts.
Component B: 17 parts.

Pot life (20 l set)

At 20°C: 120 min.
At 30°C: 30 min.
After the potlife has ended, the product may not be applied any longer. The

CRAFCO PTC

Mixing

end of the potlife is visible from a “separation” of the product. The components have to be mixed mechanically by means of a slow running (200 r.p.m.) drill fitted with a stirring paddle.

Sikkens Anti-Slip

4% Vol	Anti SkidSRT		Anti Skid FSC					
			Leather		Plastic		Rubber	
Color	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet
White	90	70	0,67	0,86	0,77	0,91	0,79	0,95

Attention: Anti-skid performance depends on many different parameters, such as layer thickness, product distribution and substrate morphology. It is advised to apply a test surface prior to coating the entire surface.

Attention: Applying anti-skid sand or grit in light colors may cause slight deviation in colors.

Health & Safety Information

Flash point

Component A: > 100°C.

Component B: > 100°C.

Government regulations

The user of this product is required to comply with the national statutory regulations for health and safety at work and waste disposal.

Material safety datasheet

For more information see MSDS of Crafcoc PTC coating components A, B.

Properties

Gloss

Semi-gloss.

Density

Mixed product: depending the color approx. 1,2 – 1,4 kg/dm³.

Solids content

Approx. 35 vol. %.

Volatile organic components (VOC)

< 25 g/l.

Drying at 20°C/65%RH

Step proof: ca. 6 hours.

Recoat ability: minimum 16 hours and maximum 72 hrs.

To be driven on: 16 hours.

Fully cured after: 7 days.

Chemical resistance

Excellent resistant to common used chemicals and cleaning materials, for detailed information make inquiries to the technical department or ask for chemical resistance list.

Wear resistance

100 ± 10 mg / 1000 cycles (CS17 wheel, 1 kg load, system without anti-skid additives) according DIN65182.

Additional information

Packaging

20 liter set.

Shelf life

In unopened packing minimum 12 months when stored at temperatures of 5 – 30°C.

Colors

Available in a wide range of colors and many RAL-colors. When applied in garages and for chemical resistance purpose, not all colors are suitable.

Systems

Concrete:

Pretreatment

Prior to the application of the coating the substrate has to be sound, clean, dry, free of dust and grease. Smooth and very dense substrates have to be roughened by means of dust-free-blasting, sanding or other mechanical means. Very porous substrates have to be wetted before applying the first coat Crafcoc PTC.

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Prime coat with Crafcoc PTC coating (thinned with max. 5%water).

Smooth finish

Apply a second layer Crafcoc PTC after drying (diluted with max 3% water).
Optional a third layer might be applied after drying of the second layer.

Anti-skid

In case anti-skid properties are required the second layer should be scattered with fire dried quartz sand grain size: 0,2 – 0,6 mm or silver sand. Finish with a full layer Crafcoc PTC.

Remark

During drying, ensure sufficient ventilation because of the evaporation of water.

Puroc b.v., www.puroc.co, the Netherlands.

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