



CPC 90

HIGH TEMPERATURE POWDER COATINGS

- temperature resistance
- good scratch resistance
- proper for outdoor exposure
- good storage stability

DESCRIPTION

CPC 90 is a series of powder coatings based on PU and silicon resin. It offers very good thermal stability – long lasting exposure to 300 °C. It is partly compatible with polyester and epoxy powder coating – it doesn't cause cratering.

Applications:

- barbecue parts
- garden tools
- engine gaskets
- halogen lamps
- wood stoves
- fire places

SPECIFICATION

Shade:	black (RAL 9005), RAL 9006, RAL 9007
Surface Appearance:	smooth, fine structure
Gloss:	for smooth surfaces: matt (3-20%), semi-glossy (50 %) \angle 60°
Density:	1600 kg/m ³
Coating equipment:	electrostatic spraying
Spreading Rate:	12m ² /kg at 50 µm film thickness, keep the film thickness below 60 µm
Shelf Time:	24 months
Packaging:	cardboard box – 20 kg
Storage Conditions:	in originally closed boxes in dry place at temperature 5-25°C

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TEST RESULTS

*0,8 mm steel panel

Physical Properties:*	Smooth surface
Cure parameters (object conditions)	15 min / 204°C
Film thickness in μm (ISO 2808)	35-55
Gloss, units $\angle 60^\circ$ (ASTM 523, ISO 2813)	Depends on shade
Adhesion (ISO 2409)	Gt0
Bend Test (ISO 1519)	≥ 7 mm
Elasticity - Cupping Test (ISO 1520)	≥ 5 mm

SURFACE PRETREATMENT

Shot blasting: recommended

CURING

20 min / 190 °C, 15 min / 195 °C, 10 min / 220 °C

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