



CPC 91

HIGH TEMPERATURE POWDER COATINGS

- temperature resistance
- good scratch resistance
- good storage stability

DESCRIPTION

CPC 91 is powder coating based on polyester, epoxy and silicon resin. It has high temperature resistivity – up to 300 °C.

It is partly compatible with polyester and epoxy powder coating – it doesn't cause cratering.

Applications:

- engine gaskets
- halogen lamps
- wood stoves
- fire places

SPECIFICATION

| | |
|----------------------------|---|
| Shade: | black (RAL 9005), RAL 9006, RAL 9007 |
| Surface Appearance: | smooth, fine structure |
| Gloss: | semi-glossy |
| Density: | ~1600 kg/m ³ |
| Coating equipment: | electrostatic |
| Spreading Rate: | 7 – 9 m ² /kg at 70 µm film thickness |
| 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 / 205°C |
| Film thickness in μm (ISO 2808) | 40-60 |
| Gloss, units $\angle 60^\circ$ (ASTM 523, ISO 2813) | 65-75 |
| Adhesion (ISO 2409) | Gt0 |
| Bend Test (ISO 1519) | ≥ 7 mm |
| Elasticity - Cupping Test (ISO 1520) | ≥ 5 mm |

SURFACE PRETREATMENT

| | |
|------------------|---|
| Aluminium: | yellow or green chromated |
| Zn-plated steel: | transparent chromate preteated |
| Iron: | zinc phosphate or low-build iron phosphate or high-build iron phosphate |

CURING

15 min / 205 °C

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