



CPC 60-3

EPOXID PRIMER

- excellent flow
- good mechanical properties
- very good resistance to solvents and chemicals

DESCRIPTION

CPC 60-3 grey B 68 is an epoxy resin based powder coating. It specially developed to be used as primer for anticorrosive protection mainly for steel surfaces as it enhances their anticorrosive properties.

CPC 60-3 grey B 68 is to be used as a first coat in a two coat system.

Applications:

in cases where enhanced anticorrosive properties are required.

SPECIFICATION

Shades:	grey
Surface Appearance:	smooth
Gloss:	matt (10-30%) \angle 60°
Dry Film Thickness:	60-80 μ m
Density:	\approx 1450 kg/m ³
Coating Equipment:	electrostatic spraying
Spreading Rate:	7-9 m ² /kg at 70 μ m film thickness
Shelf Time:	24 months
Packaging:	cardboard box – 20 kg
Storage Conditions:	in originally closed boxes at temperature 5 – 25°C

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TEST RESULTS

Physical Properties:*	Glossy
Cure parameters	20 min / 180°C
Film thickness in μm (ISO 2808)	60-80
Gloss, units $\angle 60^\circ$ (ASTM 523, DIS 2813)	10-15
Adhesion (ISO 2409)	Gt0
Bend test (ISO 1519)	≥ 3
Impact resistance – direct (ASTM D 2794-69)	70 in
Elasticity – Cupping test (DIN ISO 1520)	≥ 7
Hardness (Bucholz) (ISO 2815)	125

Chemical Properties:**

Salt spray 500 h (ISO 9227) –

Delamination at cut: max. 1 mm

Hum. cabinet 500 h (ISO 6270-2) –

Delamination at cut: max. 1 mm

*0,8 mm steel panel, matt

**Fe phosphat Bonderite 1000

SURFACE PRETREATMENT

Steel: degreasing, Fe-phosphating or Zn-phosphating

PARTICLE SIZE DISTRIBUTION

D (0.9) = 70-80 μm

D (0.5) = 30-40 μm

D (0.1) \approx 10 μm

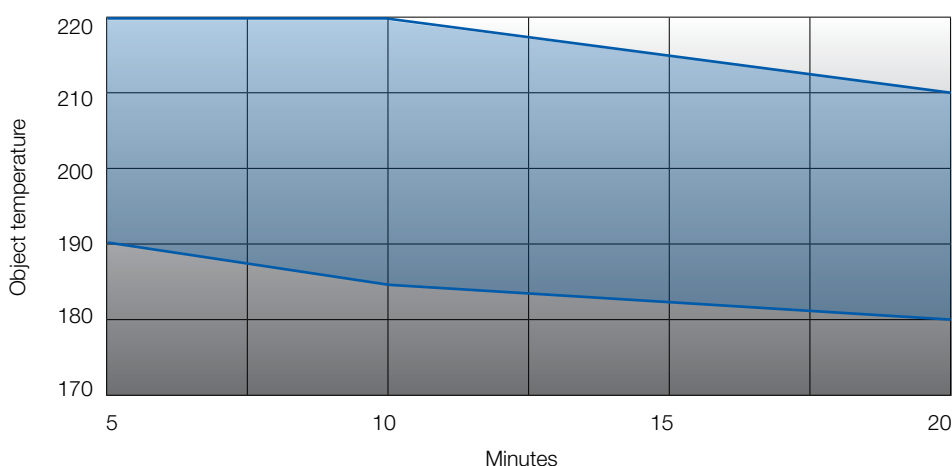
TOPCOAT

- water or solvent borne top coating
- polyester powder coatings can be applied to warm or cold object

CURING

20-25 min/180°C or 12-15 min/190°C (object conditions).

These are profiles for 100 % curing. When overcoated we recommend partial curing (e.g. 10 min/180 °C) before application of top coat. Primer gets additional 10 min/180 °C at curing together with top coat. No chemical pretreatment is allowed before applying of top coat.



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