



CPC 42

EPOXY POLYESTER POWDER COATINGS

- excellent mechanical properties
- good levelling properties
- good storage stability

DESCRIPTION

CPC 42 powder coating is based on polyester resin cured with epoxy resin. It offers very good application and performance characteristics.

CPC 41 series of hybrid powder coatings is specially developed for interior application with good combination of decorative and functional properties.

Applications:

- refrigerators
- machinery parts, tools and equipment
- shelves and componets

SPECIFICATION

Shades:	different shades
Surface Appearance:	smooth
Gloss:	glossy ($\geq 80\%$), semi-glossy (60-70%)
Density:	1500 – 1600 kg/m ³
Coating Equipment:	electrostatic, tribo spraying
Film Thickness:	65 μm
Spreading Rate:	10 m ² /kg
Sensitivity to Magnets:	no
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

**0,7 mm chromated Aluminium

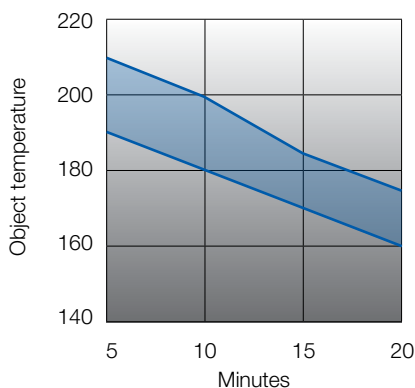
Physical Properties:*	Glossy
Cure parameters (object conditions)	10 min / 180°C
Film thickness in µm (ISO 2808)	60-70
Gloss, units $\angle 60^\circ$ (ASTM 523, ISO 2813)	82
Adhesion (ISO 2409)	Gt0
Impact resistance (ASTM D 2794-69)	80/40
Bend Test R1, 90° (EN ISO 1519:2011)	OK
Elasticity - Cupping Test (DIN ISO 1520)	7-8
Hardness (Bucholz) (ISO 2815)	≥ 91
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

SURFACE PRETREATMENT

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

CURING

CPC 42-1



This technical data and suggestions for use in this technical data sheet are currently correct to the best of knowledge based on laboratory work and practical experience but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use. Any liability we may have (including liability for breach of warranty, strict liability in tort, negligence or otherwise) is limited exclusively to replacement of the product or refund of its price. Under no circumstance are we liable for incidental and consequential damages. The quality system conforms to ISO 9001.