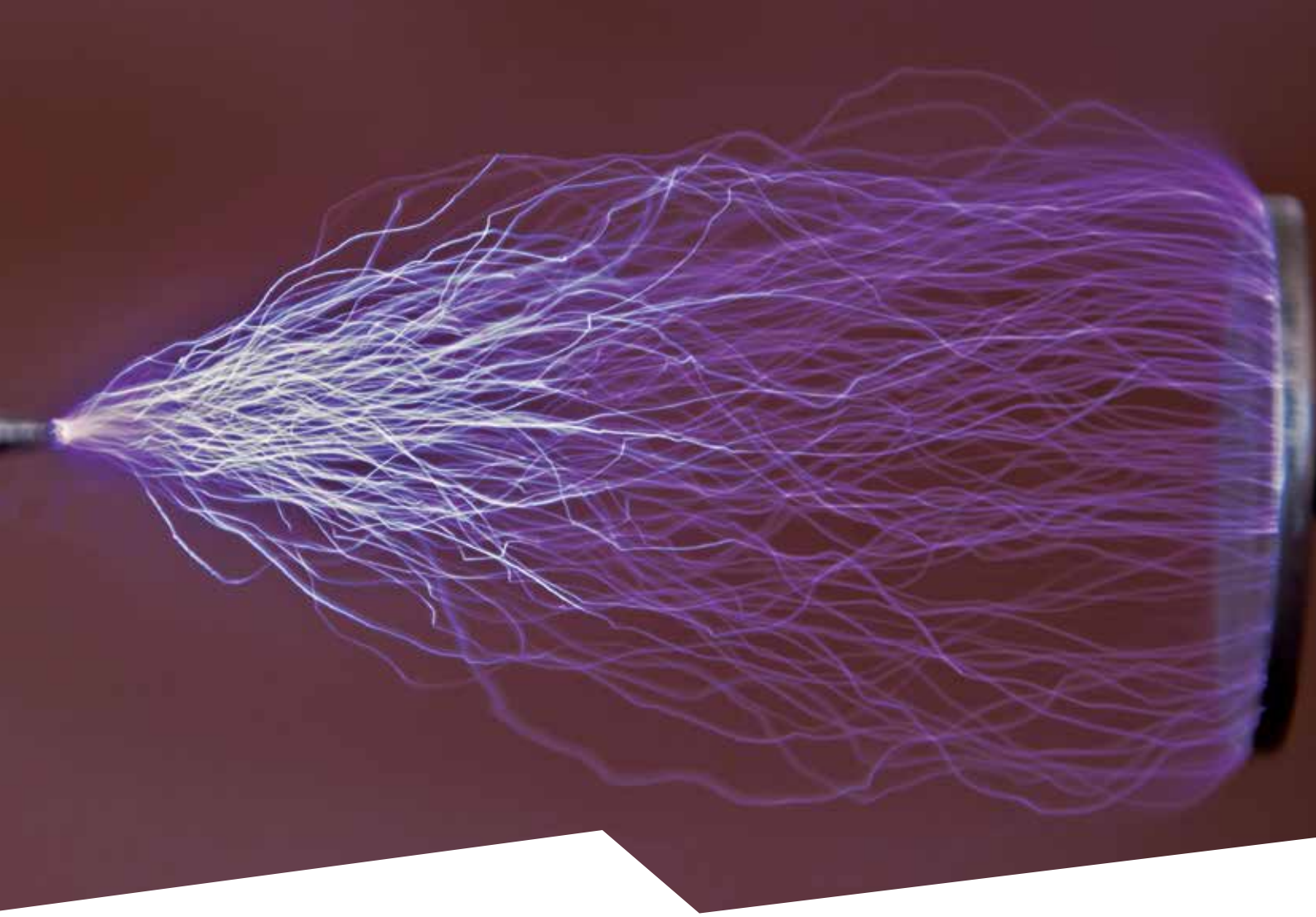


CPC 20

ANTISTATIC POWDER COATINGS

Properties are equal to the properties of standard CPC 20 powders with the limited shade availability and additional charge dissipation effect.

DESCRIPTION

Polyester powder coatings with capability of dissipating electrostatic charge. Cured film dissipates the high voltage charge (over 5 KV), at lower voltages it acts as an insulator.

Applications:

- instruments sensitive to electrostatic charge
- electronic devices

SPECIFICATION

Shade:	black, different grey shades (between black and RAL 1013)
Surface Appearance:	smooth, structured
Gloss:	glossy (≥ 80%), semi-glossy (50-70%), matt (20-30%) ∠ 60°
Density:	1400 – 1700 kg/m^3
Application:	electrostatic
Film Thickness:	60-80 µm
Spreading Rate:	8 – 10 m^2/kg at 70 µm
Shelf Time:	24 months
Packaging:	cardboard box – 20 kg
Storage Conditions:	in originally closed boxes in dry place at temperature 5-25°C

ANTISTATIC POWDER COATINGS

TEST RESULTS

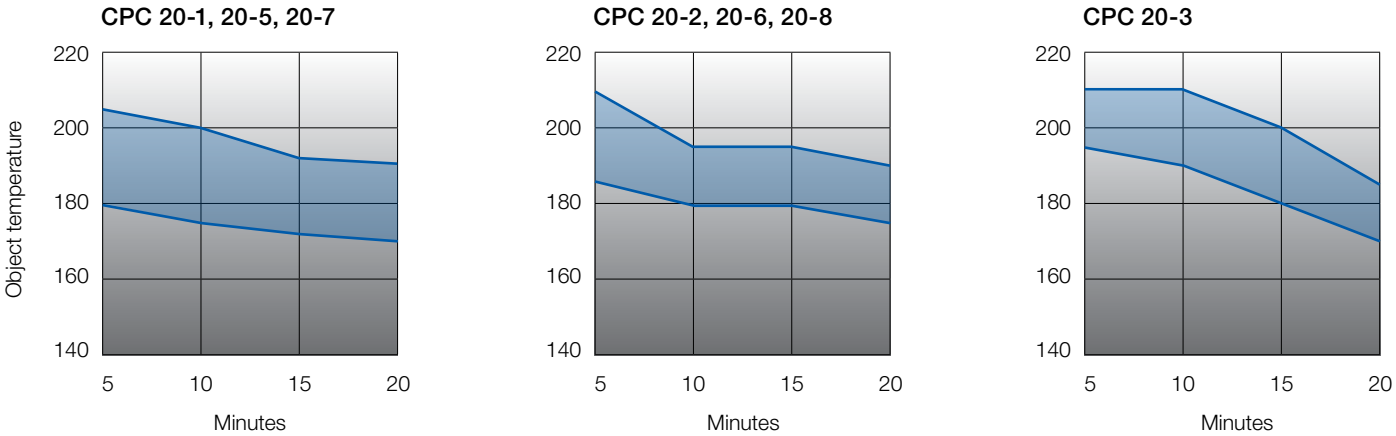
*0,8 mm steel panel
**0,7 mm chromated Aluminium

Physical Properties:*	Glossy	Semi glossy	Matt
Cure parameters (object conditions)	10 min / 180°C	10 min / 180°C	20 min / 180°C
Film thickness in µm (ISO 2808)	60-70	60-70	60-80
Gloss, units ∠ 60° (ASTM 523, ISO 2813)	≥ 80	50-70	20-30
Adhesion (ISO 2409)	Gt0	Gt0	Gt0
Bend Test (ISO 1519)	≥ 3 mm	≥ 4 mm	≥ 4 mm
Elasticity - Cupping Test (DIN ISO 1520)	≥ 7 mm	≥ 6 mm	≥ 6 mm
Hardness (Bucholz) (ISO 2815)	≥ 91	≥ 91	≥ 91
Electrical resistivity (d = 80 µm, U = 2.5 KV)	25 MΩ	25 MΩ	25 MΩ
Chemical Properies:**			
Salt spray 500 h (ISO 9227) –			
Delamination at cut:	max. 1 mm	max. 1 mm	max. 1 mm
Hum. cabinet 500 h (ISO 6270-2) –			
Delamination at cut:	max. 1 mm	max. 1 mm	max. 1 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



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.

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