



CPC 24

# POLYESTER POWDER COATING

- excellent weathering resistance
- excellent mechanical properties
- high flexibility
- good leveling properties
- good storage stability
- excellent optical appearance

## DESCRIPTION

CPC 24 is a series of powder coatings based on polyester resin cured with HAA (Primid capable of curing at lower temperatures (160 °C). It offers very good application and performance characteristics.

CPC 24 series of polyester powder coatings is specially developed for exterior applications with combination of excellent weatherfastness, high UV resistance and good mechanical and levelling properties.

CPC 24 is especially developed for use in ACE segment.

### Applications:

- agricultural machines
- garden furniture
- garden tools
- automobile parts
- bicycles

## SPECIFICATION

<b>Shades:</b>	principally RAL and NCS shades; also special colours are available by arrangement
<b>Surface Appearance:</b>	smooth
<b>Gloss:</b>	glossy ( $\geq 80\%$ ), semi-glossy (65-72%)
<b>Density:</b>	1400 – 1700 kg/m <sup>3</sup> , depending on colour shade
<b>Coating Equipment:</b>	electrostatic spraying, tribo
<b>Spreading Rate:</b>	7 – 9 m <sup>2</sup> /kg at 70 $\mu$ m film thickness
<b>Shelf Time:</b>	24 months
<b>Packaging:</b>	cardboard box – 20 kg
<b>Storage Conditions:</b>	in originally closed boxes at temperature 5 – 25°C

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## TEST RESULTS

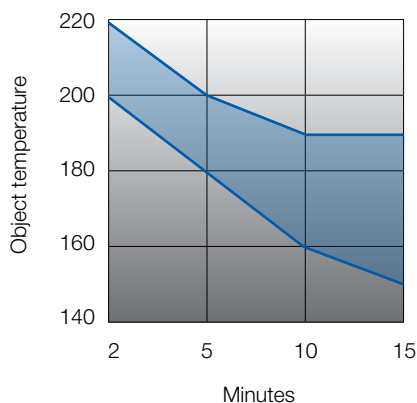
Physical Properties:*	Glossy	*0,8 mm steel panel
Cure parameters (object conditions)	10 min / 160 °C	**Bonderite 1000, Fe phosphat
Film thickness in µm (ISO 2808)	60-80 µm	
Gloss, units ∠ 60° (ASTM 523, ISO 2813)	80 – 95	
Adhesion (ISO 2409)	Gt 0	
Bend test (ISO 1519)	≥ 5 mm	
Elasticity – Cupping test (DIN ISO 1520)	≥ 7 mm	
Hardness (Bucholz) (ISO 2815)	≥ 91	
Chemical Properties:**		
Salt spray 500 h (ISO 9227) – Delamination at cut:	≤2 mm	
Hum. cabinet 1000 h (ISO 6270-2) – blistering, delamination at cut:	0 (S0), ≤ 1 mm	
QUV – B (313 nm), 300 hrs, gloss retention – %	≥ 50	

## SURFACE PRETREATMENT

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

## CURING

10 min / 160 °C (object temperature)



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