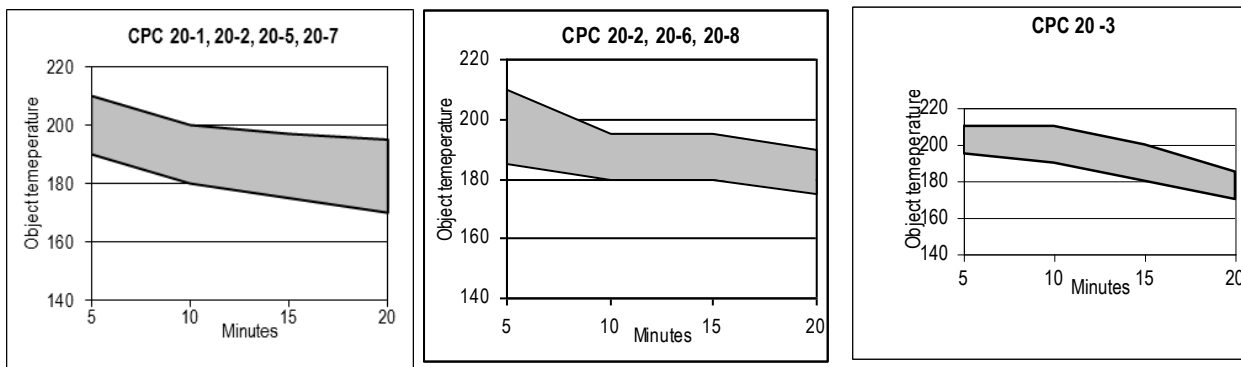
	<h2 style="margin: 0;">CPC 20 - Polyester Powder Coating</h2>
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<p><b>Product Description:</b></p> <p>CPC 20 is a series of powder coatings based on polyester resin cured with HAA (Primid). It offers very good application and performance characteristics.</p> <p>CPC 20 series of polyester powder coatings is specially developed for exterior applications with good combination of excellent weathering resistance, excellent mechanical properties and good levelling properties.</p>	<p><b>Application:</b></p> <ul style="list-style-type: none"> <li>agricultural machines,</li> <li>camping equipment,</li> <li>garden furniture,</li> <li>automobile parts,</li> <li>bicycles,</li> <li>garden tools.</li> </ul>
<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>excellent weathering resistance,</li> <li>excellent mechanical properties,</li> <li>good levelling properties,</li> <li>good storage stability,</li> <li>good elasticity.</li> </ul>	<p><b>Shelf Time:</b> 24 months</p> <p><b>Packaging:</b> Cardboard box - 20 kg</p> <p><b>Storage Conditions:</b>          In originally closed boxes in dry place at temperature 5-30°C</p>
<p><b>Powder Specification:</b></p> <p><b>Shade:</b> principally RAL and NCS shades; also special colours are available by arrangement,</p> <p><b>Surface Appearance:</b> smooth, rough structure, fine structure,</p> <p><b>Gloss:</b> glossy (<math>\geq 80\%</math>), semi-glossy (50-70%), matt (20-30%) <math>\angle 60^\circ</math>,</p> <p><b>Density:</b> 1400 – 1700 kg/m<sup>3</sup>, depending on colour shade,</p> <p><b>Coating equipment:</b> electrostatic, tribo spraying,</p> <p><b>Film thickness</b> 70-80 <math>\mu\text{m}</math>,</p> <p><b>Spreading rate:</b> 7 – 9 m<sup>2</sup>/kg at 70 <math>\mu\text{m}</math> film thickness, smooth and fine structure surfaces (CPC 20-1,2,3,7,8),          5 – 7 m<sup>2</sup>/kg, rough structures (CPC 20-5, CPC 20-6).</p>	
<p><b>Surface Pretreatment:</b></p> <p><b>Aluminium:</b> yellow or green chromated</p> <p><b>Zn-plated steel:</b> transparent chromate pre-treated</p> <p><b>Iron:</b> zinc phosphate or low-build iron phosphate or high-build iron phosphate</p>	
<p><b>Overcoating procedure:</b></p> <p>Extra care must be taken when overcoating the powder coating. Cured powder coating should be clean, dry and free of any contamination. If overcoated with liquid paints, recommended surface preparation is grinding. Due to diversity of the liquid coatings portfolio, the painted system must be checked and tested for compatibility (solvents influence – softening of powder coating film) and adhesion.</p>	



## CPC 20 - Polyester Powder Coating

**Curing:** Please check the right regime on the label. It can be different than on diagrams below.



**Test Results :**

Physical Properties (0,8 mm steel panel)	Glossy	Semi glossy	Matt
<b>Cure parameters (object conditions)</b>	<b>10 min / 180°C</b>	<b>10 or 15 min / 180°C</b>	<b>20 min / 180°C</b>
Film thickness in $\mu\text{m}$ (ISO 2808)	60-70	60-70	60-80
Gloss, units $\angle 60^\circ$ (ASTM 523, ISO 2813)	$\geq 80$	50-70	20-30
Adhesion (ISO 2409)	Gt 0	Gt 0	Gt 0
Bend Test (ISO 1519)	$\geq 3$ mm	$\geq 4$ mm	$\geq 4$ mm
Elasticity - Cupping Test (DIN ISO 1520)	$\geq 7$ mm	$\geq 6$ mm	$\geq 6$ mm
Hardness (Bucholz) (ISO 2815)	$\geq 91$	$\geq 91$	$\geq 91$
<b>Chemical Properties (0,7 mm chromated Aluminium)</b>			
Salt spray 500 h (ISO 9227)– Delamination at cut:	max. 2 mm	max. 2 mm	max. 2 mm
Hum. cabinet 500 h (ISO 6270-2)– Delamination at cut:	max. 2 mm	max. 2 mm	max. 2 mm
Weather resistance – QUV test – gloss retention (UV 313 nm + condensation, 200 hours)	$\geq 50\%$	$\geq 50\%$	$\geq 50\%$

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.**