

### Product

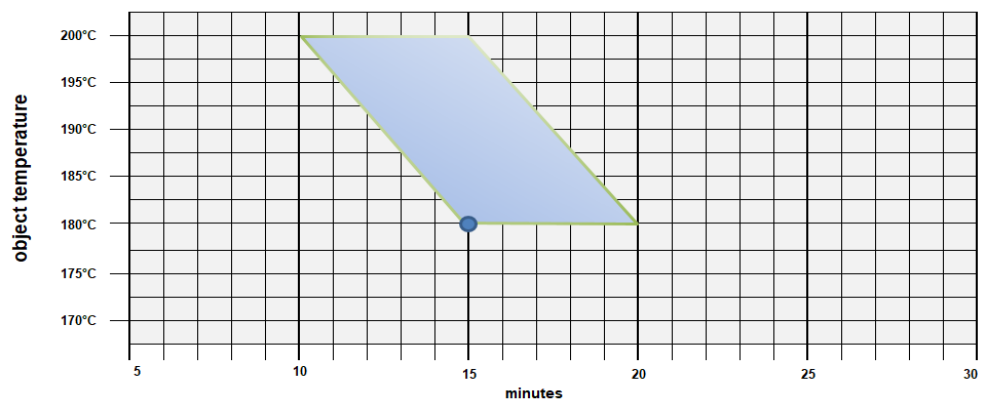
Field of application	<ul style="list-style-type: none"> <li>powder coating system for exterior* applications like street furniture, traffic lights, lamp posts, waiting stations (bus and train) steps, tail lifts, ramps, floor panels</li> </ul>
Properties	<ul style="list-style-type: none"> <li>label-free polyurethane resin base</li> <li><b>special development with ANTI-GRAFFITI (AGF), ANTI-POSTER (AP) and ANTI-SLIP (AR) properties</b></li> <li>colour stability at different curing conditions</li> <li>excellent scratch resistance and surface hardness</li> <li>good chemical and solvent resistance</li> <li>good mechanical properties</li> </ul>
Details	<ul style="list-style-type: none"> <li>colour shade: colorless</li> <li>surface: very rough special structure</li> <li>gloss: glossy - silk gloss (visual)</li> <li>density: 1,17 g/ml</li> <li>spreading rate: 15 - 17 m<sup>2</sup>/kg (at 50 µm layer thickness)</li> </ul>
Storage	<ul style="list-style-type: none"> <li>24 months at dry and cool storage up to max. +25°C</li> </ul>

### Processing

Substrates	pre-treated parts of aluminium, steel and galvanized steel						
Preparation	<ul style="list-style-type: none"> <li>grease, oil, tinder and oxidation products have to be removed from surface before coating</li> </ul>						
Pre-treatment	<table border="0"> <tr> <td>aluminium</td> <td>chromating, chrome-free pre-treatment, pre-anodisation</td> </tr> <tr> <td>steel</td> <td>blasting, iron-phosphating, zinc-phosphating</td> </tr> <tr> <td>galvanized steel</td> <td>sweeping, chromating, chrome-free pre-treatment, zinc-phosphating</td> </tr> </table>	aluminium	chromating, chrome-free pre-treatment, pre-anodisation	steel	blasting, iron-phosphating, zinc-phosphating	galvanized steel	sweeping, chromating, chrome-free pre-treatment, zinc-phosphating
aluminium	chromating, chrome-free pre-treatment, pre-anodisation						
steel	blasting, iron-phosphating, zinc-phosphating						
galvanized steel	sweeping, chromating, chrome-free pre-treatment, zinc-phosphating						

The coater has to check the suitability of pre-treatment referring to customer demand previously.

Application	<ul style="list-style-type: none"> <li>electrostatic and tribo</li> </ul>
Layer thickness ISO 2360	<ul style="list-style-type: none"> <li>50 - 60 µm (higher layer thicknesses have a negative effect on the ANTI-POSTER / ANTI-SLIP properties)</li> </ul>
Curing cycle	<ul style="list-style-type: none"> <li>15 min - 180°C ( ● recommended)</li> </ul>



Recoatibility	<ul style="list-style-type: none"> <li>the product <b>CANNOT</b> be overpainted due to its anti-graffiti properties</li> </ul>
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Test results		
Proved substrate	• aluminum 0,8 mm, pretreated according to GSB/QUALICOAT, layer thickness 60 µm	
Physical/Mechanical	• cross cut test DIN EN ISO 2409	Gt 0
	• bending test DIN EN ISO 1519	5 mm no cracks
	• impact test ASTM D2794	>20 inchp. no cracks on both sides
	• Erichsen cupping test DIN EN ISO 1520	≥ 4 mm
	• Buchholz hardness DIN EN ISO 2815	at least 80
Anti-graffiti resistance	• wax stick	cleaning with a brush / cloth
	• shoe cream	cleaning with a brush / cloth
	• felt pen (water-based)	cleaning with a brush / cloth
	• felt pen (solvent-based)	cleaning with a brush / alcohol
	• spray paint (solvent based) gem. ASTM D6578	cleaning with a brush / alcohol
Certificates	• MPI test certificate 12 9500 - S / 19 from October 29, 2019 slip class R10	

Notes	
Occupational safety/ health environmental protection	• please note information of corresponding safety data sheet

This technical data sheet is based on our current state of knowledge. It is not a product specification.

The technical data sheet is for information only and without any responsibility. It does not release to test our products previously regarding suitability according to operation purpose. CENARIS reserves the right of changes without notification.

Therefore only the current version is valid. If in doubt, please contact us.

**The current technical data sheets and safety data sheets can be found at [www.cenaris.com/downloads](http://www.cenaris.com/downloads)**

\* only with overcoating (colorless without a previous topcoat cannot be used outdoors)