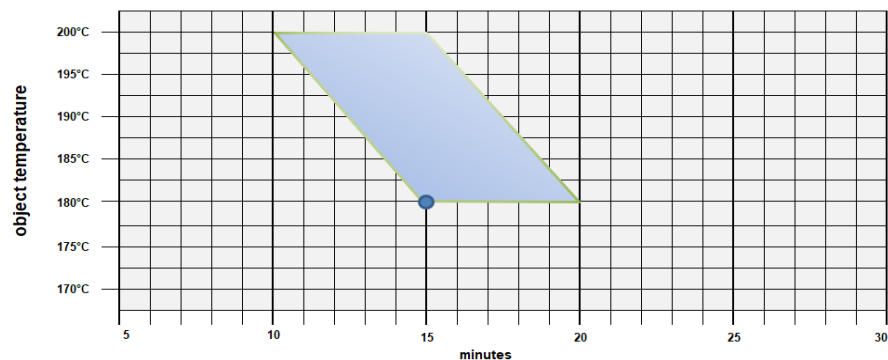


Product	
Field of application	<ul style="list-style-type: none"> powder coating system for exterior applications like street furniture, traffic lights, lamp posts, waiting stations (bus and train) steps, tail lifts, ramps, floor panels
Properties	<ul style="list-style-type: none"> label-free polyurethane resin base special development with ANTI-GRAFFITI (AGF), ANTI-POSTER (AP) and ANTI-SLIP (AR) properties excellent scratch resistance and surface hardness good chemical and solvent resistance good mechanical properties good weather stability
Details	<ul style="list-style-type: none"> colour shade: all RAL and also special colourshades are possible surface: very rough special structure gloss: glossy - silk gloss (visual) density: 1,1 - 1,6 g/ml (depending on colour shade) spreading rate: 11 - 15 m²/kg (at 60 µm layer thickness)
Storage	<ul style="list-style-type: none"> 24 months at dry and cool storage up to max. +25°C

Processing							
Substrates	pre-treated parts of aluminium, steel and galvanized steel						
Preparation	<ul style="list-style-type: none"> grease, oil, tinder and oxidation products have to be removed from surface before coating 						
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. According to requirements an additional primer could be necessary. In this case we advice our product **MEGAPRIMER® EP**.

Application	<ul style="list-style-type: none"> electrostatic and tribo
Layer thickness ISO 2360	<ul style="list-style-type: none"> 60 - 100 µm (depending on colour shade and application)
Curing cycle	<ul style="list-style-type: none"> 15 min - 180°C (● recommended)



Recoatibility	<ul style="list-style-type: none"> the product CANNOT be overpainted due to its anti-graffiti properties
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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	
Corrosion resistance	•	Erichsen cupping test DIN EN ISO 1520
		≥ 4 mm
	•	Buchholz hardness DIN EN ISO 2815
	at least 80	
Weather resistance	•	salt spray test (NSS + AASS) DIN EN ISO 9227
		1000 hours - corrosion creepage ≤ 1 mm - no bubbles
	•	humidity chamber test DIN EN ISO 6270-2
		1000 hours - corrosion creepage ≤ 1 mm - no bubbles
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 9498 - S / 19 from October 29, 2019 slip class R11 (approx. RAL 9007 tested)

Notes		
Occupational safety/ health environmental protection	•	please note information of corresponding safety data sheet
Colour shade deviation	•	colour shade deviation according to VdL-RL 10 (actual version)

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