

Product

Field of application

- powder coating system for exterior* applications like aluminium rims, bicycle frames, metal displays

Properties

- label-free polyester resin base
- good weather resistance
- very good mechanical properties
- colour stability at different curing conditions
- good flow properties

Details

- colour shade colorless
- surface smooth
- gloss glossy 85 GU +-5 (60° angle)
- density 1,20 g/ml
- spreading rate 13 - 14 m²/kg (at 60 µm layer thickness)

Storage

- 36 months at dry and cool storage up to max. +25°C

Processing

Substrates pre-treated parts of aluminium, steel and galvanized steel

Preparation

- grease, oil, tinder and oxidation products have to be removed from surface before coating

Pre-treatment

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

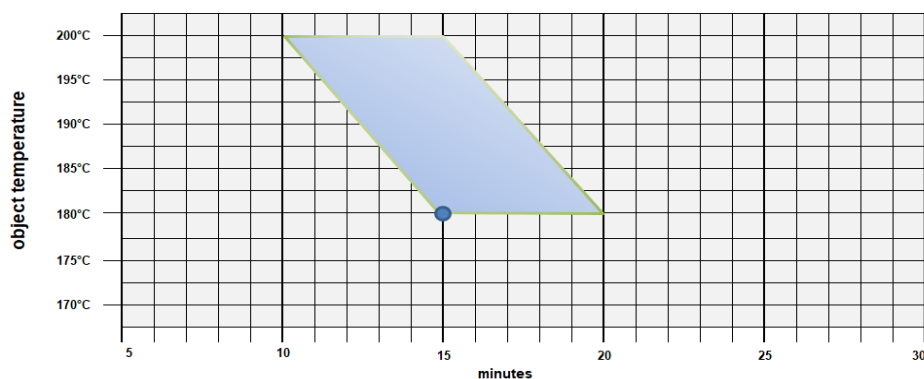
- electrostatic and tribo

Layer thickness ISO 2360

- 60 - 100 µm (depending on colour shade and application)

Curing cycle

- 15 min - 180°C (● recommended)



Recoatibility

- product can be recoated by itself (if possible tribo)
- recommendation about appropriate liquid coats on request

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	≥ 5 mm
	• Buchholz hardness DIN EN ISO 2815	at least 80
	Certificates	• on request

Notes

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

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

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