



SERIES 03

POLYURETHANE POWDER COATINGS

- high chemical resistance
- good mechanical properties
- excellent levelling

Due to its good weather and high chemical resistance, the PUR powder coating is a universal coating perfectly suited for indoor and outdoor applications. Providing high scratch resistance and elasticity it is an ideal coating for gardening and agricultural tools and machinery which are exposed to high mechanical stress.

APPLICATION

Facades, construction and agricultural machinery, outdoor facilities, noise barriers, industrial goods, universal application.

PROPERTIES

Colour shade:	all RAL, RDS, NCS, Pantone, Munsell etc. – also customer samples
Finish:	smooth, fine texture, rough texture, thin film, and effects
Gloss:	from flat to high gloss
Density:	ca. 1.5 g/cm ³ , depending on colour shade and quality
Spreading rate:	depends on the applied film thickness, c.f. formula
Storage life:	average of 24 months

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COATING PROPERTIES

Erichsen cupping test:	DIN EN ISO 1520, > 8 mm
Mandrel bend test:	DIN EN ISO 1519, good over 10 mm mandrel
Salt spray test:	DIN EN ISO 9227, > 240 hours without undercutting (corrosion creep) or blistering after appropriate pre-treatment
Condensation water test:	DIN EN ISO 6270-2, > 240 hours without undercutting (corrosion creep) or blistering after appropriate pre-treatment
Resistance:	good regarding lye and acids – has to be tested individually

PROCESSING

Finish:

Aluminium, die-cast aluminium, steel – thorough degreasing required. To increase corrosion protection, a conversion layer is recommended.

Application:

all common processes (Tribo, Corona)

Curing conditions:

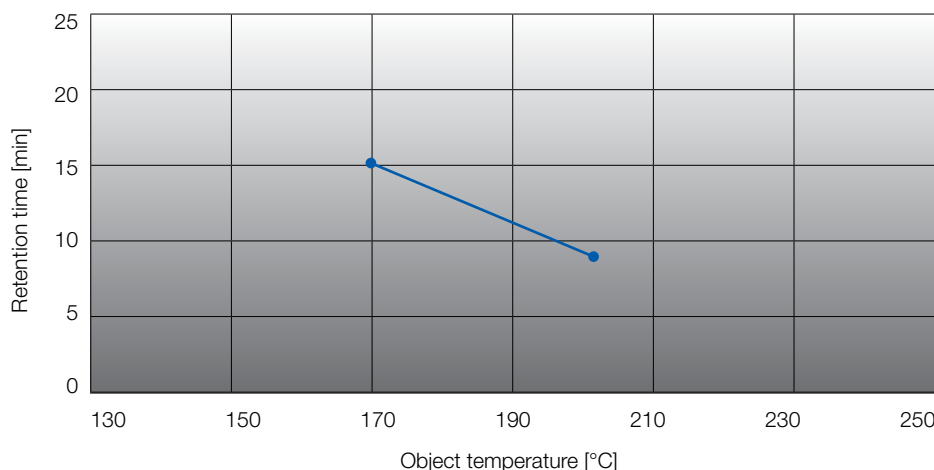
The product-specific curing conditions can be found on the technical datasheet or on the label.

Overcoatability:

Can be overcoated with the same product or with special repair coatings.

CURING CONDITIONS

SERIES 03 POLYURETHANE POWDER COATINGS – Example for curing window



Light colour shades can cause a shift. The maximum temperature is around 210 °C. All data refer to object temperature.

THEORETICAL SPREADING RATE

Values were calculated according to the following formula:

Theoretical spreading rate (m²)/(kg) = 1000 / density x film thickness

These data are based on empirical values for the completeness of which we do not assume any guarantee. Since we cannot influence in any way the processing of the product, the purchaser is responsible for ensuring that the product is suitable for the intended purpose before using the product. Any change in the processing procedure, environmental conditions, or the non-observance of instructions can influence the result negatively. Status 07/2015.