

SERIES 02

POLYESTER

- excellent weather resistance
- good flexibility
- outstanding adhesion properties

APPLICATION

Facade elements, noise barriers, industrial goods, universal application.

All powder coatings of the 02 series are TGIC-free pure polyester systems providing lasting weather resistance. Therefore, this powder coating with its universal quality, high scratch resistance and high elasticity is ideally suited for indoor and outdoor applications.

PROPERTIES

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

POLYESTER

COATING PROPERTIES

Erichsen cupping test:	DIN EN ISO 1520, > 7 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:

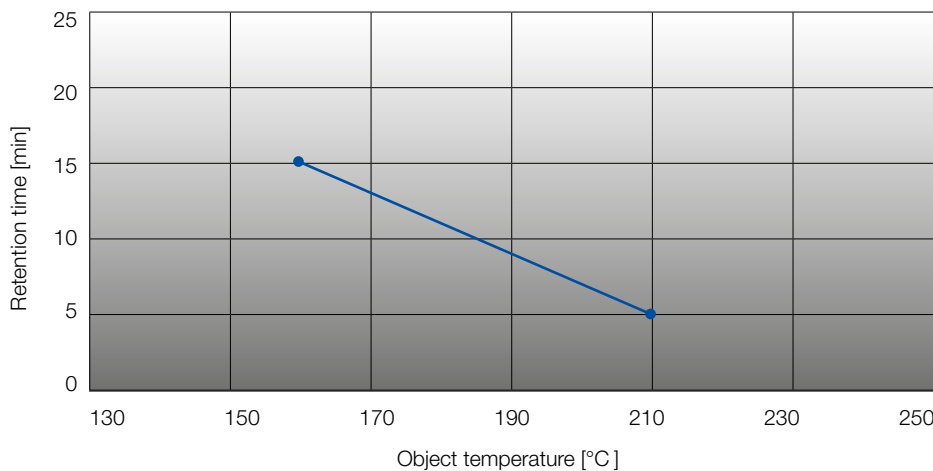
The product-specific curing conditions can be found on the technical datasheet or on the label.

Overcoatability:

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

CURING CONDITIONS

SERIES 02 POLYESTER – 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.