

## SERIES 05

# EPOXY POWDER COATINGS

- excellent corrosion protection
- good adhesion properties
- highly functional coatings

Due to their outstanding chemical resistance, the many different types and their functionality, our epoxy coating systems are highly economical and versatile interior coatings.

## APPLICATION

As primer to increase protection against corrosion, as single-layer solution for automotive suppliers, or as highly reactive NT powder coating.

## PROPERTIES

<b>Colour shade:</b>	all RAL, RDS, NCS, Pantone, Munsell etc. – also customer samples
<b>Finish:</b>	smooth, fine texture, rough texture, thin film, and effects
<b>Gloss:</b>	from flat to high gloss
<b>Density:</b>	ca. 1.5 g/cm <sup>3</sup> , depending on colour shade and quality
<b>Spreading rate:</b>	depends on the applied film thickness, c.f. formula
<b>Storage life:</b>	average of 18 months

# EPOXY POWDER COATINGS

## COATING PROPERTIES

<b>Erichsen cupping test:</b>	DIN EN ISO 1520, > 6 mm
<b>Mandrel bend test:</b>	DIN EN ISO 1519, good over 10 mm mandrel
<b>Salt spray test:</b>	DIN EN ISO 9227, > 650 hours without undercutting (corrosion creep) or blistering after appropriate pre-treatment
<b>Condensation water test:</b>	DIN EN ISO 6270-2, > 650 hours without undercutting (corrosion creep) or blistering after appropriate pre-treatment
<b>Resistance:</b>	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:

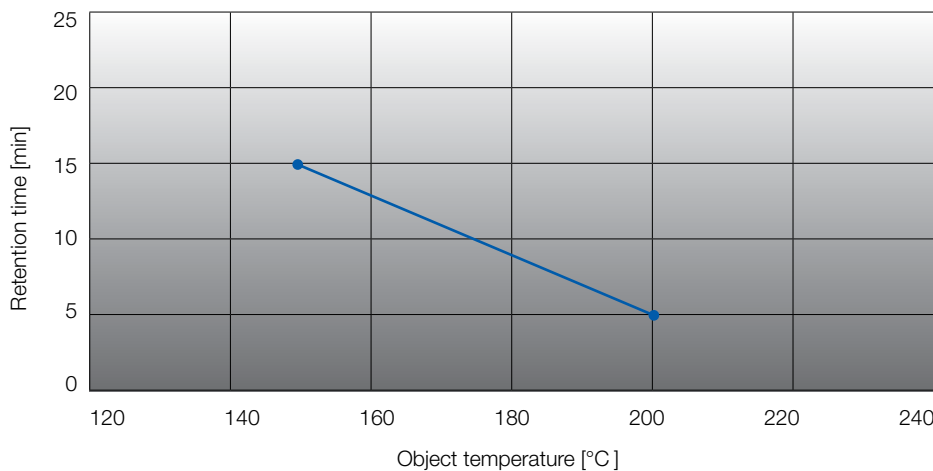
The product-specific curing conditions can be found on the technical datasheet or on the label.

### Overcoatability:

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

## CURING CONDITIONS

### SERIES 05 EPOXY POWDER COATING – 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 (m<sup>2</sup>)/(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.