



## SERIES 01

# HYBRID POWDER COATINGS

- many different types
- high energy-saving potential
- excellent flexibility

Hybrid powder coatings: these hybrid powder coatings are based on polyester and epoxy resins. Due to their excellent all-round properties our hybrid powder coatings are the most used powder coatings in the coatings sector. They are versatile in use and meet many requirements for indoor goods.

## APPLICATION

Universal indoor quality e.g. for control cabinet assembly, steel furniture, shelves, fire extinguishers, and also for coloured bottles, clay pots, etc.

## PROPERTIES

<b>Colour shade:</b>	all RAL, RDS, NCS, Pantone, Munsell
<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 24 months

# HYBRID POWDER COATINGS

## COATING PROPERTIES

<b>Erichsen cupping test:</b>	DIN EN ISO 1520, > 8 mm
<b>Mandrel bend test:</b>	DIN EN ISO 1519, good over 5 mm mandrel
<b>Salt spray test:</b>	DIN EN ISO 9227, > 240 hours without undercutting (corrosion creep) or blistering after appropriate pre-treatment
<b>Condensation water test:</b>	DIN EN ISO 6270-2, > 240 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:

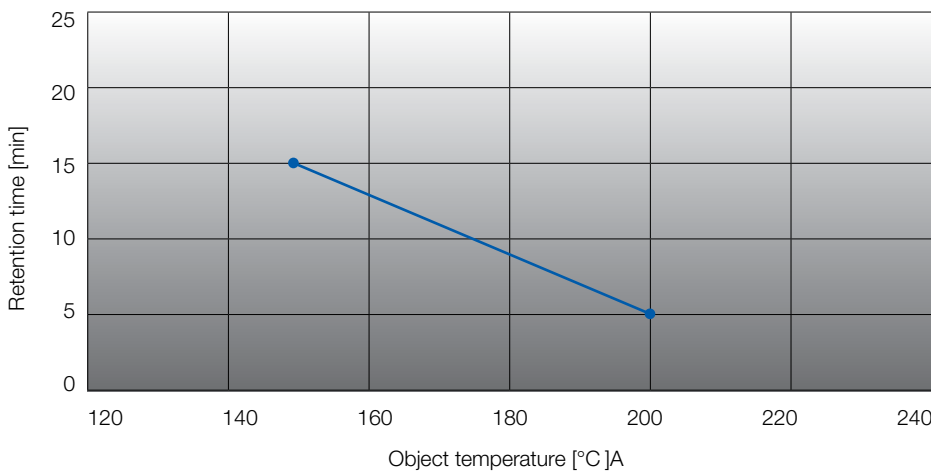
The product-specific curing conditions can be found on the technical datasheet or on the label.

### Overcoatability:

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

## CURING CONDITIONS

### SERIES 01 HYBRID POWDER COATINGS – Example for curing window



## 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.