# **Technical Datasheet**





Characteristics	Powder coating for decorative use on exteriors				
	■ Application, e.g. in the vehicle construction sector				
	mat, smooth				
	■ Good mechanical resistance and surface hardness				
	Good light and weather resistance				
	■ Smooth to apply				
System Coating	System Liquid Coating				
	For various applications, there are coatings available, whose optical appearan regarding colour, gloss degree and surface is in optimum balance.				
Technical / Physical Data	Binder-Base polyester resin				
	Colour all common colour shades				
	Gloss value mat DIN EN ISO 2813 10-20 geometry 60°				
	Test layer thickness 70 µm by colour RAL 7021				
	Density 1,2-1,7 g/cm³ colour-dependent calculated				
	Material usage 0,1 kg/m² with 70 μm mean test layer thickness				
Mechanical Test on steel panel ST 1405	Cross-cut-test Gt 0 DIN EN ISO 2409				
	Erichsen index DIN EN ISO 1520  >2 mm				
	Impact-Test 80 kg cm (front) DIN EN ISO 6272-1				
	Buchholz penetration test <1,2 mm DIN EN ISO 2815				
Resistance Test	on zinc phosphatized steel plate				
	Condensate constant climate DIN EN ISO 6270-2 (CH)  1000 hours  Water ingress Wb < 1 mm DIN EN ISO 4628-8				
	Salt spray test (NSS)  DIN EN ISO 9227  Water ingress Wb < 1 mm DIN EN ISO 4628-8				
	Chemical resistance  Needs to be checked.  The temperature and concentration of have a major influence on the test out				
Processing and application Dependent on plant and buildings	Processing / Loading Corona, Tribo				
	Pretreatment The substrate must be free of adhesion-impairing substances such as rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend appropriately phosphatizing or chromatizing.	_			

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business and delivery.

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 DIN EN ISO 9001

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 EMAS

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## ■ Touch-up coating: on enquiry

# Health & Safety at Work guidlines

The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

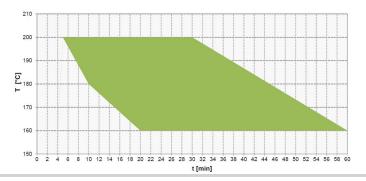
# Curing

#### Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 7021 green cross-hatching = baking conditions with good final properties

Objekt Temperatur   °C Object Temperature   °C	160	180	200	
Haltezeit Minimum   Minuten Holding time minimum   Minutes	20	10	5	
Haltezeit Maximum   Minuten	60	45	30	



# Resistance to storage

Approx. 36 month in original packagings at an ambient temperature of 5 to 25 °C. Powder coatings must be stored in a cool and dry place.

The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.

## Specific comments

- Protective screening: 160 µm
- Compatibility with other powder coatings: Needs to be checked

## Test conditions

All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.

The information provided here contains reference values and does not constitute a specification.