

TECHNICAL DATA SHEET

	Corona silk-ma	S-50 smooth resistant to yellowing att				
Description:	Powder paint for interior use on the basis of polyester and epoxy resins with very good smooth and good opacity. Good overbake stability in terms of gloss and yellowing, universal use for indoors.					
Applications:	Metal ceilings, Metal furniture, shelves elements, machine casings, etc.					
Colours:	All colours					
Surface:	Smooth texture					
Gloss:	Visually silk-matt					
Powder properties:	Particle size distribution (HELOS H1708) Density	smaller 29 µm: 40 – 47 % smaller 122 µm: 98 – 100% 1.3 – 1.7 g/cm³ can vary depending on the colour; can be specified for each individual colour				
Material consumption:	g/m2 =	density (g/cm³) x film thickness (μm)				
Coating thickness:	Recommended Maximum	70 – 90 μm depending on the colour (in white rather more) 150 μm				
Application:	The application can be made with the usual electrostatic powder coatings systems. To avoid any surface disturbances, we recommend not to mix this type of powder paint with any other powder. Do not burn with other powder coatings together in the same ofen.					
Packaging:	20/25 kg cardboard500 kg Octobox450/500 kg Big BagOther packaging variation	s are available on request.				
Curing time:	Recommended 13 min at 180 °C object temperature					
Curing conditions:	Object temperature 210 °C 200 °C 190 °C 180 °C 170 °C	Minutes hold time 5 min. hold time 6 min. hold time 9 min. hold time 13 min. hold time 20 min. hold time				
Substrates:	Various metals, but primarily as top coat on a KTL pre-treated surface. The support to be coated has to be free of oil, grease and oxidation products. Under exposure to corrosion, we recommend the following pre-treatments: Aluminum A suitable chemical pretreatment Steel/Iron Iron or zinc phosphating					

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Physical properties:	Cross cut test (DIN ISO 2409)	GT o 1) ≤ 5 mm				
Tested on: Steel sheet o.8mm ST1405 double-pickled V1094	Mandrel bending test (DIN ISO 1519)					
Layer thickness: 70 – 90 μm	Impact resistance		5.0 Nm	(~44 inchpound)		
	ASTM D 2794	1) reverse ≥	5.0 Nm	(~44 inchpound)		
	Erichsen cupping	1) ≥ 3 mm				
	(DIN ISO 1520)					
	Buchholz hardness (DIN ISO 2815)	≥ 90				
Resistance:	Condensation water test	500 h no bubble building				
Tested on: steel sheet iron phosphated	DIN ISO 6270	Infiltration on the scratch track under 1 mm				
	Salt spray test DIN ISO 9227	240 h no bubble building Infiltration on the scratch track under 1 mm				
Post treatment of coated parts:	To print, to paste, to label, to laminate with film, over-coating and other post-treatments, some preliminary testing is recommended. For packaging only use appropriate plasticizers free materials. Condensation must be avoided.					
Repairs:	For repairs (conveyors hangers touch ups) the repair kit, art. No 12155 is available.					
Storage:	Storage instruction:	In the original containers, store in a cool and dry environment by max. 25 °C. No direct sun exposure.				
	Shelf life	18 months from the date of production under the mentioned conditions.				
Safety recommendations.	Lower explosive limit	Please refer to the safety data sheet.				
	Further information are to find in the safety data sheet and the CEPE booklet "Safe powder coating" and "Results of experimental toxicology study on thermosetting powder coatings".					
Comments:	The information on this technical data sheet relative to the properties and application of the product concerned are made					

Comments:

on hand of our knowledge, development and practical experience. Because of the multiple possible applications, it is impossible for us to present them all in detail. Our technical consultants are at your disposal for any question you might have. Furthermore, our general sales and delivery conditions apply. This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.