TECHNICAL DATA SHEET

Article No.: 10003 Version: 5	_	5-55-NT coarse	e structure Corona silk		
	gloss				
Description:	Low bake powder for indoor use based on polyester and epoxy resins. Gives silk gloss surfaces with coarse structure. Stabilized against overcuring and discolouration in directly gas fired ovens.				
Applications:	Metal furniture, shelves elements, switch cabinets, lockers, machine cases, lampcasing, kitchen appliances and many more				
Colours:	Almost any colour with few limitations				
Surface:	Rough structure				
Gloss:	Visually silkgloss				
Powder properties:	Particle size distribution (HELOS H1708)	29 μm: 38 – 45 % 122 μm: 98 – 100 %)		
	Density	1.4 – 1.8 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	80 – 100 depending on the colour tone (closer to 120 μm in the case of white)			
Packaging:	must be adhered to. If the c Please read our processing i	oating thickness is too low instructions for textured po	e, the recommended coating thickness v, pores will form down to the substrate. owder coatings VR001D. To avoid surface er coating with other powder coatings.		
Tuckuging.	- 500 kg Octobox				
	- 450/500 kg Big Bag				
	Other packaging variations are available on request.				
	Other packaging variations a	are available on request.			
Curing time:	Other packaging variations a Recommended 10 min. at 160°C object tem	·			
Curing time:	Recommended	·	Minutes hold time max		
Curing time:	Recommended 10 min. at 160°C object tem	perature	Minutes hold time max 6 min		
Curing time:	Recommended 10 min. at 160°C object tem Object temperature	perature Minutes hold time min			
Curing time:	Recommended 10 min. at 160°C object tem Object temperature 200°C	perature Minutes hold time min 3 min	6 min		
Curing time:	Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C	perature Minutes hold time min 3 min 5 min	6 min 10 min		
Curing time: Substrates:	Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C 160°C 140°C Various metals or also as a t	perature Minutes hold time min 3 min 5 min 10 min 27 min op coat, e.g. on a KTL prim	6 min 10 min 24 min		
-	Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C 160°C 140°C Various metals or also as a t free of oil, grease and oxidar	perature Minutes hold time min 3 min 5 min 10 min 27 min op coat, e.g. on a KTL primtion products. We recomm	6 min 10 min 24 min 45 min ner. The substrate to be coated must be		
-	Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C 160°C 140°C Various metals or also as a t free of oil, grease and oxidat load:	perature Minutes hold time min 3 min 5 min 10 min 27 min op coat, e.g. on a KTL primtion products. We recomm	6 min 10 min 24 min 45 min ner. The substrate to be coated must be nend the following pre-treatments under		
·	Recommended 10 min. at 160°C object tem Object temperature 200°C 180°C 160°C 140°C Various metals or also as a t free of oil, grease and oxidar load: Aluminium	perature Minutes hold time min 3 min 5 min 10 min 27 min op coat, e.g. on a KTL primtion products. We recomm	6 min 10 min 24 min 45 min ner. The substrate to be coated must be nend the following pre-treatments under		



Mandrel bending test (DIN ISO 1519)	1) ≤ 5 mm			
Impact resistance (ASTM D 2794)	1) front	≥ 10 Nm	(~88 Inchpound)	
	1) reverse	≥ 10 Nm	(~88 Inchpound)	
Erichsen cupping (DIN ISO 1520)	1) ≥ 7 mm			
Tested on: Steel panel iron phospated				
Condensation water test (DIN ISO 6270)	500 h no blistering Infiltration on the scratch track under 1 mm			
Salt spray test (DIN ISO 9227	240 h no blistering Infiltration on the scratch track under 1 mm			
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For repairs (conveyors hangers touch ups) the repair kit, art. No 10006124 is available.				
Appropriate preliminary tests are recommended for printing, gluing, labeling, film lamination, overcoating and other post treatments. Suitable plasticizer free materials are to be used for the packaging. Avoid condensation.				
Storage instruction:	In the original containers, store in a cool and dry environment at max. 25 °C. No direct sun exposure.			
Shelf life:	18 months from the date of production under the mentioned conditions.			
Lower explosive limit	Please refer to the safety data sheet.			
Further information can be found in the safety data sheet and the CEPE brochures "safe powder coating guideline" and "results of the experimental toxicological studies on thermosetting powdercoatings".				
The information in this technical data sheet relative to the properties and application of the product concerned are made 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.				
5/2/24				
	(DIN ISO 1519) Impact resistance (ASTM D 2794) Erichsen cupping (DIN ISO 1520) Tested on: Steel panel iron phosp Condensation water test (DIN ISO 6270) Salt spray test (DIN ISO 9227 - For repairs (conveyors han Appropriate preliminary te overcoating and other posp packaging. Avoid condense Storage instruction: Shelf life: Lower explosive limit Further information can be der coating guideline" and powdercoatings". The information in this technical made on hand of our knowledge it is impossible for us to present in might have. Furthermore, our get ly. If necessary, our sales departners.	Impact resistance	Impact resistance	

