

115m



P-1269

TECHNICAL DATA SHEET

Article No.: 12604 POLYFLEX[®] PES-140-SD smooth Corona silk matt Version: 7 35 **Description:** Superdurable powder for outdoor use based on polyester resins. Gives silk matt surfaces with good flow and excellent light and weather resistance. Stabilized against overcuring and discolouration in directly gas fired ovens. **Applications:** Metal facade, Aluminium profiles, sun protection systems, windows, doors, gates and many more **Colours:** Almost any colour with few limitations Surface: Smooth Gloss: Visually silkmatt 25 - 39 Gloss units (60°) **Powder properties:** Particle size distribution 29 µm: 40 - 47 % (HELOS H1708) 96 - 100 % 122 µm: Density 1.4 – 1.7 g/cm³ can vary depending on the colour; can be specified for each individual colour **Material consumption:** g/m^2 = density (g/cm^3) x film thickness (μm) **Coating thickness:** Recommended 70 – 90 depending on the colour (white rather more 100 μ m) Maximum 110 µm **Application:** The application can be made with all standard powder coating systems. To avoid surface defects, we recommend not mixing this type of powder coating with other powder coatings. **Packaging:** - 20/25 kg cardboard box - 500 kg Octobox - 450/500 kg Big Bag Other packaging variations are available on request. **Curing time:** Recommended 10 min. at 200°C object temperature Object temperature Minutes hold time min Minutes hold time max 200°C 10 min 20 min 190°C 30 min 15 min 180°C 25 min 40 min Substrates: Various metals, but mainly on appropriately pre-treated aluminium and hot-dip galvanized steel or steel primed with powder paint or KTL. The substrate to be coated must be free of oil, grease and oxidation products. We recommend the following pre-treatment under corrosion stress: Aluminium A suitable wet-chemical pretreatment or sweeping Steel Iron or zinc phosphating Tested on 1): Aluminium panel 0.8 mm AIMg1 H14 chromated **Physical properties:** Layer thickness: 70 - 90 µm 1) GT 0 **Cross Cut test** (DIN ISO 2409) Mandrel bending test 1) ≤ 5* mm (DIN ISO 1519)



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	Impact resistance	1) front	≥ 2.5 Nm*	(~22 Inchpound)
	(ASTM D 2794)	1) reverse	≥ 2.5 Nm*	(~22 Inchpound)
	Erichsen cupping (DIN ISO 1520)	1) ≥ 5 mm		
	Buchholz Hardness (DIN ISO 2815)	≥ 80		
	(*) cracks; no peeling with adhesive tape;			
Resistance:	Tested on: Aluminium panel 0.8 mm AlMg1 H14 chromated			
	Condensation water test (DIN ISO 6270)	1000 h no blistering Infiltration on the scratch track under 1 mm		
	Salt spray test (DIN ISO 9227	1000 h no blistering Infiltration on the scratch track under 1 mm		
Material Approvals:	-			
	GSB	115m		
	Qualicoat	P-1269		
Repairs:	For repairs (conveyors hangers touch ups) the repair kit, art. No 10006124 is available.			
Post treatment of coated parts:	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:	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.		
Safety recommendations:	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 pow- der coating guideline" and "results of the experimental toxicological studies on thermosetting powdercoatings".			
Comments:	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.			

