



## **TECHNICAL DATA SHEET**

115m P-1269

Article No.: 12886 Version: 9	POLYFLEX® PES rona silk matt	5-140-S	D Pearl-l	Metallic smooth Co-	
Description:	Superdurable Pearl metallic 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 façade, Aluminium profiles, sun protection systems, windows, doors, gates				
Colours:	According do Pearl Metallic colour cards. Many colours on request.				
Surface:	Smooth				
Gloss:	Visually silkmatt				
	25 – 39 Gloss units (60°)				
Powder properties:	Particle size distribution (HELOS H1708)	29 μm: 122 μm:	40 – 47 % 96 – 100 %		
	Density	1.4 – 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	70 – 90 depending on the colour tone			
	Maximum	120 μm			
Application:	The application can be made with all standard powder coating systems. Please observe our processing instructions for POLYFLEX powder coatings with metallic effect VR003D. 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 h	old time min	Minutes hold time max	
	200°C	10 min		20 min	
	190°C	15 min		30 min	
	180°C	25 min		40 min	
Substrates:	Various metals or also as a top coat, e.g. on a KTL primer. The substrate to be coated must be free of oil, grease and oxidation products. We recommend the following pre-treatments under load:				
	Aluminium	A suitable wet-chemical pretreatment or sweeping			
	Steel	Iron or zinc phosphating			
Physical properties:	Tested on 1): Aluminium panel 0.8 mm AlMg1 H14 chromated Layer thickness: 70 – 90 μm				
	Cross Cut test (DIN ISO 2409)	1) GT 0			
	Mandrel bending test (DIN ISO 1519)	1) ≤ 5* mm			



	Impact resistance (ASTM D 2794)	1) front ≥ 2.5 Nm* (~22 Inchpound)			
		1) reverse ≥ 2.5 Nm* (~22 Inchpound)			
	Erichsen cupping (DIN ISO 1520)	1) ≥ 5* mm			
	<b>Buchholz Hardness</b> (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.			
		e found in the safety data sheet and the CEPE brochures "safe powd" results of the experimental toxicological studies on thermosetting			
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.				
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