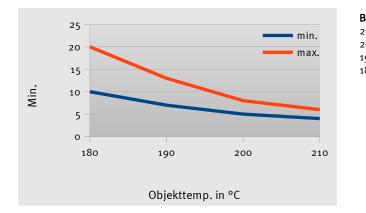
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Article No.: Leaflet No.: Version:	11607 ¹⁸²¹ 02	POLYFLEX [®] PES-125-GU smooth, outgasing Corona silk matt 35					
		Silk matt powder coating for ou and weather-fastness, very goo Resistant to over baking and di	d covering qualities and v	ery good outgasing properties.			
Applications		For all types of galvanized steel used in, for example, railings, grids, solar protection systems, doors, gates, frames, auto mobile parts, machines and appliances.					
Color tones		Practically all color tones, with few restrictions.					
Surface		Smooth					
Gloss		Silk matt, 35-45 gloss units (60°)					
Powder properties		Particle size distribution (HELOS H1708)	smaller than 29 µm: smaller than 122 µm:				
		Density	1.4 – 1.7 g/cm³; differs according to color tone; can be specified for each tone on request.				
Material consumption		g/m ² =	density (g/cm³) x coating	g thickness (μm)			
Coating thickness		Recommendation:	70 – 90 μm according to color tone				
		Maximum:	120 µm				
Application		The coating can be applied with all typical electrostatic systems.					
		In order to prevent surface blemishes and deterioration of the powder's properties, we recommend that you do not mix this powder coating type with other powder coatings.					
Packaging		 20/25 kg cardboard 500 kg Octobox 450/500 kg Big Bag Other packaging types are available on request. 					



Baking recommendation: 10 minutes at 180 °C object temperature

Baking diagram

Baking conditions:

210°C	4 min. hold time
200°C	5 min. hold time
.90°C	7 min. hold time
80°C	10 min. hold time

Substrates

Primarily hot-dip galvanized steel and aluminium with appropriate pretreatment. Coating is also possible in many cases on KTL or powder primers. The substrate to be coated must be free of oil, grease and oxidation products. Under corrosive conditions we recommend the following pretreatment:

	Steel/iron:	A suitable	chemical pre-	reatment or sweep blasting.	
	Aluminium:	A chromate coating, a suitable chrome-free pre-treatment or a thin anodised coating.			
Physical properties Tested on:	Cross cut test (DIN ISO 2409)		1) GT 0	2) GT 0	
 Aluminium sheet: 0.8 mm AIMg1 H14 chromatized 	Mandrel bending test	t	1) ≤ 5 mm	2) ≤ 12 mm	
2) Sheet steel strip-galvanized	(DIN ISO 1519)				
and chromatized as per GSB for	Impact resistance tes	ting front	1) ≥ 5 Nm	2) ≥ 5.0 Nm (~44 inch pounds)	
hot-dip galvanization Coating thickness	ASTM D 2794	revers	e 1) ≥ 5 Nm	2) ≥ 2.5 Nm* (~44 / 22 inch	
 1) 70 - 90 μm 2) 50 - 80 μm 	Erichsen cupping		1) ≥ 5 mm	pounds)	
	(DIN ISO 1520)			2) ≥ 3 mm	
	Buchholz hardness te	est ≥ 8	Bo (for 1 and 2))	
	(DIN ISO 2815)			(*) 40-50 µm coating thickness at 20- 25 °C 1 hour after coating	
Resistance	Condensation water test1000 h - no blisters formedDIN ISO 6270Infiltration at cross-cut less than 1 mm				
Tested on:			1000 h - no blisters formed		
Aluminium sheet o.8 mm AlMg1 H14 chromatized	Salt spray test			cross-cut less than 1 mm	
After-treatment of coated parts	Appropriate preliminary trials are recommended for printing, sticking, labeling, foil lamination, overcoating and other after-treatment methods. Suitable plasticizer-free materials must be used for the packaging. Condensation water must be avoided.				
Touch-up	Our Rep. Set, art. no. 12155, is available for retouching work.				
		al canister, in cool and dry conditions exposed to direct sunlight.			
	Duration of storage		-	production date under the conditions	
Safety advice	Lower explosion limit	please	refer to the sa	fety data sheet	
For additional information see the safety data sheet and the CEPE broch "Sicheres Pulverlackieren" (Safe powder coating) and "Ergebnisse der experimentellen Toxikologiestudieüber wärmehärtbare Pulverlacke" (Re experimental toxicology study on heat-curable powder coatings).				ng) and "Ergebnisse der härtbare Pulverlacke" (Results of	
Note:	We have provided the details relating to the properties and use of the specified products set out in this information sheet according to the knowledge available to us and our development work and practical experience. Due to the wide range of possible applications, it has not been possible to include all individual characteristics. In cases of doubt, our application experts are available to provide technical advice. The general terms and conditions of sale otherwise apply. This leaflet is revised at intervals. If you are unsure about particular details, our sales department will be glad				
	to advise you about the ap				



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