

TEST CERTIFICATE

Doc. No.: QF0307/01
Issue Date: 14/12/2016

Customer: CENTRUM FARB, POLAND
Product: EP RAL 3000 GLOSSY EU
Code: PL9S082
Batch No. : 3409

Date : 10.03.2016
Mfg. Date : 29.02.2016
Page : 01/01.

S. No.	DESCRIPTION	SPECIFICATIONS	OBSERVATION	RESULT
A.	Powder Properties			
1	Specific Gravity ASTM - D -153(Theoretical)	1.65±0.10	1,75	Ok
2	Theoretical Coverage @ 50 microns	11.42-12.90 sq.m/ Kg.	11,42	Ok
3	Particle size Distribution <32 Micron	30-40%	39,00%	Ok
	On Alpine Air Jet Sieve <63 Micron	80-90%	88,00%	Ok
	Model A-200 LS <80 Micron	>95 %	98,50%	Ok
	<105 Micron	100%	100,00%	Ok
4	Storage Stability @ 25°C	Six Months	Six Month	Ok
B.	Application of Powders			
1	Substrate (mm, crca)	0.6±0.02	0,6	Ok
2	Application by Electrostatic Spray Gun Voltage	60-90K.V.	70K.V.	Ok
3	Baking Schedule (°C/Minute, M.T.)	200/10-12	200/10	Ok
4	Coating Thickness (Microns)	50-70	60-65	Ok
C.	Cured Film Property On M.S.			
1	Shade/ Colour (Visual)	As Per Std.	Pass	Ok
2	Colour D-65, 10° (CIE L* a* b*)	Δ E<1	0,41	Ok
3	Surface Finish ASTM-D-1729	Smooth	Smooth	Ok
4	Gloss @ 60° Head ASTM-D-523	More Than 85	85-87	Ok
5	Bend Test (6.25 & 5 mm cylindrical mandrel) ASTM-522	No visible Damage or detachment of film.	Pass	Ok
6	Impact (kg-cm) ASTM-D-2794-69			
	Direct	100(Minimum.)	Pass	Ok
	Reverse	100(Minimum.)	Pass	Ok
7	Erichsen Cupping (mm),	4mm(Min.)	Pass	Ok
8	Adhesion, ASTM-D-3359	GT-0/5B	GT-0/5B	Ok
9	Scratch Hardness, (IS-101) (3.5 Kgs. Weight)	No such scratches as to show bare metal	3.5 Kgs(Pass)	Ok
10	Humidity Test, 95% Rh (Approx.) Temp 38+/- 3°C for 500 Hrs. ASTM D-2247	No blistering ,rusting or loss of adhesion	It will Pass the Test	Ok
11	Salt Spray Test at 35+/- 3°C for 500 Hrs, 5% Sodium Chloride Solution ASTM B-117	No blistering,rusting or loss of adhesion	It will Pass the Test	Ok

TEST RESULT: Approved

GT-0/5B=Excellent GT-5/0B=Bed

REMARKS:

sign &
date

TESTED BY

VERIFIED BY