

TECHNICAL DATA SHEET

REAFREE® 17013

Powder Resins / Saturated Hydroxylated Polyester / Polyisocyanate

PRODUCT APPLICATION DETAILS

Saturated Hydroxylated polyester for combination with blocked isocyanate resin and polyurethodione. Suitable for the formulation of Clear Coat or Pigmented outdoor durable and protective thermosetting powder paints.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Acid value	7 max mg KOH/g	ASTM D-1639
Viscosity (Cone and plate - 165°C)	10-30 Pa.s	DIN 53229
Color (50%)	2 max Gardner	ASTM D-1544
Hydroxyl value	37-47 mg KOH/g	G/07-1

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Appearance	Pale granules	
Glass transition temperature (Tg)	approx 62 °C	DSC
¹ The data provided for these properties are typical values, intende	d only as guides, and should not be construed as	sales specifications

CURING CONDITIONS

15 minutes at 200°C (object temperature)

RECOMMENDED MIXING RATIO

REAFREE 17013/ Blocked isocyanate: From 80/20

MARKET Coatings & Inks

- Industrial Coating
- General Industry
- Metal Exterior Powder

PERFORMANCE BENEFITS

- Excellent flow
- Excellent mechanical properties
- Excellent outdoor durability
 Excellent transparency in Clear
- Excellent transparency in Clear Coat.



REAFREE® 17013

FORMULATION GUIDELINES

535
330
120
10
5

⁽¹⁾ Kronos[®] 2160 ⁽²⁾ Vestagon[®] B 1530 (Evonik)

⁽³⁾ BYK[®] 360P (Byk Chemie)

APPLICATION / EXTRUSION CONDITIONS

	CHARACTERISTICS
Extruder	BUSS PCS-30
Spraying gun	GEMA PG 1-B
Torque	40 %
Extrusion speed	200 rpm
Application voltage	60-80 kV
Extrusion temperature	100 °C
Test substrate (Degreased Aluminium)	0.8 mm

COATING PROPERTIES

CHARACTERISTICS	METHODS
60-80 microns	
Over 90 %	
Over 5 mm	DIN 53156
Over 50 kg.cm	ASTM D-2794
Over 50 kg.cm	ASTM D-2794
100 %	ASTM D-522
Gt0	DIN 53151
	60-80 microns Over 90 % Over 5 mm Over 50 kg.cm Over 50 kg.cm 100 %

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

DELIVERY FORM

Granules. White opaque polyethylene bags of 25 Kg. One Ton pallet shrink - wrapped.

STORAGE AND HANDLING

The resin in its original unopened bags is stable for more than three years, stored in a dry place at temperature below 30°C. Avoid direct sunlight.

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ARKEMA

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