

General Description

CRYLCOAT® 2653-3 is a carboxyl functional polyester resin for use with Primid® XL-552 or TGIC in architectural applications. Coatings based on CRYLCOAT® 2653-3 exhibit improved corrosion resistance.

(Formerly CRYLCOAT® E 04453)

Preliminary Technical Data Sheet

Saturated Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 3600
Color, b-value	Max. 15
Acid value (mg KOH/g)	Approx. 33

Other Properties

	Typical value
Glass transition (°C)	Approx. 64

Starting Formulation

Component	Weight (%)	
	CRYLCOAT® 2653-3	62.3
TGIC	4.8	-
Primid® XL-552	-	3.5
Titanium dioxide	30.0	30.0
ADDITOL® P 964	1.5	-
MODAFLOW® Powder 6000	1.0	1.0
Benzoin	0.4	0.3

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	300 rpm
Torque	Approx. 30 %
Temperature	95 to 105 °C
Application	
Application	60 micrometer film on 0.6 mm Al panel
Spray Gun	Output voltage: 60 kV
Curing	TGIC: 10 min @ 200° C metal temp. Primid: 10 min @ 180° C metal temp.

Film Properties

Test	Result
Gloss @ 20°/60° (%)	90 / 97
Direct/reverse impact on Al panel (kg cm or in. lbs.)	70 / 70

Shelf Life

Under normal storage conditions (≤30°C), the shelf life of the resin will be 24 months from date of manufacturing. For product older than 24 months, it is recommended to check the acid value and the viscosity every year.

Safety & Environmental Protection

For more information, please refer to the Material Safety Data Sheet.

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