

General Description

CRYLCOAT® 4655-2 is a superdurable resin for fast curing preferably textured 95/5 Primid® formulations. CRYLCOAT® 4655-2 can replace up to 30% of low bake standard durable Primid® resins to improve blooming resistance, outdoor durability and reactivity.

CRYLCOAT® 4655-2 belongs to the ECOWISE™ CHOICE product range for selected applications. (Contact your allnex representative for more information).

Saturated Superdurable Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	5500-9500
Color, b-value	Max. 10
Acid value (mg KOH/g)	29-33

Other Properties

	Typical value
Glass transition (°C)	Approx. 66

Starting Formulation

Component	Weight (%)
CRYLCOAT® 4655-2	19.3
CRYLCOAT® 2655-6	45.0
Primid® XL 552	4.4
RAL 8014	3.5
Barium sulfate	26.5
MODAFLOW® Powder 6000	1.0
Benzoin	0.3

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	300 rpm
Torque	75 ± 5 %
Temperature	90 to 105 °C
Application	
Application	60 micrometer film on 0.8 mm Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 160° C metal temperature

Film Properties

Test	Result
Gloss @ 60° (%)	95
Reverse impact (kg. cm or in. lbs.)	60

Shelf Life

Under normal storage conditions (≤30°C), the shelf life of the resin will be 12 months from date of manufacturing. For product older than 12 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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