

General Description

CRYLCOAT® 4464-0 is a superdurable carboxyl functional polyester resin for use with TGIC in 93/7 mixing ratio in outdoor powder coatings. Coatings made with CRYLCOAT® 4464-0 exhibit a good balance of flow and surface appearance, lower bake properties and excellent outdoor durability.

(Formerly CRYLCOAT® E 04464)

Preliminary Technical Data Sheet

Saturated Superdurable Polyester Resin

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	Approx. 4250
Color, b-value	Max. 10
Acid value (mg KOH/g)	Approx. 33

Other Properties

	Typical value
Glass transition (°C)	Approx. 64

Starting Formulation

Formulation	p. b. w.
CRYLCOAT® 4464-0	67.7
TGIC	5.1
Titanium dioxide	25.5
MODAFLOW® Powder 6000	1.1
Benzoin	0.6

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	350 rpm
Torque	30 %
Temperature	100 °C
Application	
Application	60 micrometer film on chromated Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180 °C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	82/93
Direct/reverse impact (kg. cm or in. lbs.) 2 mils	20/0

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.

July 2020 – Supersedes previous versions