POLOXY 591-B70

Epoxy Phosphate Ester Resin

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

POLOXY 591-B70 is an epoxy phosphate ester resin recommended as an adhesion promoter for amino baking enamels applied on metal surfaces spacially aluminium panels.

APPLICATION AREAS

Coil coatings, Can coatings, Automotive coatings, General industrial coatings.

BENEFITS

Improves adhesion, corrosion, humidity, chemical, stain and pasteurisation resistance.

SPECIFICATIONS

Solvent	-	Butyl Glycol
Solid Content	% (1 g / 10 min. / 160°C)	70 ± 1
Viscosity	dPa.s @ 25°C	8 - 14
Acid Value	mg KOH/g - Solid	40 - 50
Hydroxyl Content	% - Solid	n.a
Density	g/ml @ 25°C	1.06
Flash Point	°C	60
Colour	Gardner	≤ 4
Appearance	Visual	Clear to turbid viscous liquid

INSTRUCTIONS OF USE

POLESTER 114-SB55 / POLAMIN 303	Solid	85 / 15
Binder / Pigment	Solid	100 / 100
Binder / POLOXY 591-B70	Solid	100 / 6
Binder / Catalyst	Solid	100 / 0.6
Thinner	Sol-100 / BG	80 / 20
Application Viscosity	Sec. @ 25°C, Cup#4	30 - 35
Curing Temprature	°C	430
Curing Time	Sec.	30 * 2

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 12 months.

PACKAGING

Metal drums , 200 kg net.

SAFETY

Contains solvents. Flammable. Harmful if inhaled. Irritating to eyes and skin.

The information and recommendations contained in this data sheet are based on our own tests and are believed to be reliable but are given without guarantee as to results. The customer is advised to make his own tests based on the information provided.

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