

General Description

ADDITOL® P 932 is an aliphatic urethane pre-polymer crosslinking agent for use with hydroxyl terminated polyester resins for the manufacture of polyurethane powder coatings. Formulations based on ADDITOL® P 932 exhibit excellent outdoor resistance when used with CRYLCOAT® 2839-0 (72/28 ratio) and CRYLCOAT® 2845-0 (81/19 ratio).

Aliphatic Urethane Prepolymer

Product Specification

	Limits
Total unreacted NCO (%)	Max. 0.8

Other Properties

	Typical value
Glass transition (°C)	Approx. 47
Total -NCO content (%)	9 - 10

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2839-0	40.2
ADDITOL® P 932	16.8
ADDITOL® P 896	3.0
Titanium dioxide	29.0
Barium sulfate	10.5
Benzoin	0.5

Extrusion & Application Conditions

Extrusion	
Extruder	Twin screw
Speed	250 rpm
Torque	75 ± 5 %
Temperature	95 to 105 °C
Application	
Application	60 micrometer film on steel panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 200° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	81/91
Direct/reverse impact (kg. cm or in. lbs.)	160/160

Shelf Life

Under normal storage conditions (≤25°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