

General Description

ADDITOL® P 964 is a catalyst masterbatch designed for use in hybrid, TGIC or Araldite® PT-910 systems. ADDITOL® P 964 contains 5% active substance and is designed for indoor or outdoor use. ADDITOL® P 964 is easily handled and greatly improves the dispersion of catalyst in powder coatings.

Polyester Resin Catalyst Masterbatch

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	2600-3900
Color, b-value	Max. 10
Acid value (mg KOH/g)	30-35

Starting Formulation

Component	Weight (%)
CRYLCOAT® 1660-0	33.8
Epoxy resin (EEW 700-900)	23.7
Titanium dioxide	39.4
ADDITOL® P 964	1.7
MODAFLOW® Powder 6000	1.0
Benzoin	0.4

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 or chromate Al panel
Spray Gun	Output voltage: 60 kV
Curing	10 min @ 180° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	90/98
Direct/reverse impact on Al (kg. cm or in. lbs.)	80/80
Direct/reverse impact on steel (kg. cm or in lbs.)	160/160

Shelf Life

Under normal storage conditions ($\leq 30^{\circ}\text{C}$), 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