

General Description

ADDITOL® P 950 is a tribo-active masterbatch designed for use in hybrid, TGIC, polyurethane or TGIC alternative systems. ADDITOL® P 950 contains 5% active substance that greatly enhances the charging ability of powder coatings sprayed with a tribo powder spray gun. ADDITOL® P 950 is easily handled, greatly improves the dispersion of the additive in powder coatings and is designed for indoor or outdoor use.

Tribo-active Masterbatch

Product Specification

	Limits
Appearance	Pale granules
Brookfield Viscosity @ 200 °C, mPa.s	5900-9100
Color, b-value	Max. 15
Hydroxyl value (mg KOH/g)	22.5-33.5
Acid value (mg KOH/g)	Max. 5

Starting Formulation

Component	Weight (%)
CRYLCOAT® 2450-2	54.1
TGIC	4.1
Titanium dioxide	37.2
ADDITOL® P 950	3.3
MODAFLOW® Powder 6000	1.0
Benzoin	0.3

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 @ 180° C metal temperature

Film Properties

Test	Result
Gloss @ 20°/60° (%)	76/92
Direct/reverse impact (kg. cm or in. lbs.)	160/160

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