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# **PEARL COAT 2124**

## **TECHNICAL DATA SHEET**

#### **APPLICATION:**

Saturated polyester resin for 70:30 Hybrid application.

## **PRINCIPAL PROPERTIES**

- Glossy/Semi glossy/Matt finish
- High Flow
- Good Flexibility
- Good for textured/structured

#### PRODUCT SPECIFICATIONS

PROPERTY	RANGE	UNIT	ТМ
Viscosity	42-58	Poise	4287-94
Acid value	30-36	Mg of KOH/gm	2400
Color	Max 4	Gardner	ı
Tg	60	°C	DSC

## STORAGE GUIDELINES

The resin should be stored indoors in the original unopened and undamaged bags in a dry place at storage temperature below 30°C. Exposure to direct sunlight should be avoided.

## **SHELF LIFE**

Under the above-mentioned storage conditions the shelf life of the resin will be 12 months ex-works.

#### **DELIVERY FORM**

Granules in 25 kgs HDPE bags

## STARTING FORMULATION

#### White Glossy Coating

Component	Weight	
2124	42.00	
Epoxy Resin	18.00	
Filler (Blank fix)	8.30	
Flow Aid	0.80	
Titanium Dioxide	30.00	
Benzoin	0.30	
PE Wax	0.20	
Fumed Silica	0.20	

## MATERIAL SAFETY

A material safety data sheet in available on request.

## APPLICATION PROCEDURE

Tribo or corona spray gun, voltage 60-80 KV: 0.4-0.8mm MS panels, pretreated, coating thickness appr. 50-60 microns, stoving in air circulation oven.

## **BAKING SCHEDULE**

10 minutes at 180°C effective metal temperature.

## MECHANICAL PROPERTIES OF GLOSSY POWDER COATING

PROPERTY	VALUE	UNIT
Cupping test (Erichsen slow penetration)	>5	mm
Forward impact (ASTM 2794)	160	Kg.cm
Reverse impact (ASTM 2794)	160	Kg.cm
Salt spray test 1000 hrs	Pass	-

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