

# PEARL COAT 9404

## TECHNICAL DATA SHEET

**APPLICATION:**

Carboxylated Polyester Resin for 60:40 Hybrid systems.

**PRINCIPAL PROPERTIES**

- Economical
- Good flow
- Glossy/Semi glossy/Matt finish
- High Tg

**PRODUCT SPECIFICATIONS**

PROPERTY	RANGE	UNIT	TM
Viscosity	30-50	Poise	4287-94
Acid value	42-48	Mg of KOH/gm	2400
Color	Max 4	Gardner	-
Tg	58-63	°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
9404	36.00
Epoxy resin	24.00
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 is 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