

# PEARL COAT 9107

## TECHNICAL DATA SHEET

**APPLICATION:**

Carboxylated saturated Polyester Resin for 70:30 Hybrid system.

**PRINCIPAL PROPERTIES**

- Economical grade
- Good for texture/structure
- Good flow
- Semi glossy/Matt finish
- High Tg

**PRODUCT SPECIFICATIONS**

| PROPERTY   | RANGE | UNIT         | TM      |
|------------|-------|--------------|---------|
| Viscosity  | 35-60 | Poise        | 4287-94 |
| Acid value | 30-36 | Mg of KOH/gm | 2400    |
| Color      | Max 4 | Gardner      | -       |
| Tg         | 60-65 | °C           | -       |

**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 |
|--------------------|--------|
| 9107               | 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 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 |