

14, Shakti Udyog Nagar, Manor Palghar Road Vevoor,

Palghar (E), Dist. Thane, Maharashtra - 401404

Tel: +91 9820434050

Email: info@toughcolor.com/office@toughcolor.com

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	тм
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 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

DICLARATION: The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, TOUGH COLOR RESINS Pvt. Ltd., expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The customer should thoroughly test any application before commercialization. Please refer to MSDS for Health & Safety Considerations.