

14, Shakti Udyog Nagar, Manor Palghar Road Vevoor,

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

Tel: +91 9820434050

 $\textbf{Email:} \underline{info@toughcolor.com/office@toughcolor.com}$

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	ТМ
Viscosity	30-50	Poise	4287-94
Acid value	42-48	Mg of KOH/gm	2400
Color	Max 4	Gardner	1
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 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

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