

PEARL COAT 9100

TECHNICAL DATA SHEET

APPLICATION:

Saturated polyester resin for 70:30 Hybrid application.

PRINCIPAL PROPERTIES

- Economical
- Excellent
- Glossy/Semi glossy/ Matt finish

PRODUCT SPECIFICATIONS

PROPERTY	RANGE	UNIT	TM
Viscosity	40-70	Poise	4287-94
Acid value	30-40	Mg of KOH/gm	2400
Color	Max 4	Gardner	-
Tg	55-60	°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

STARTING FORMULATION
Black Glossy Coating

Component	Weight
9100	42.00
Epoxy Resin	18.00
Filler (Blank fix)	37.50
Flow Aid	0.80
Black Pigment	1.00
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)	120	Kg.cm
Reverse impact (ASTM 2794)	120	Kg.cm
Salt spray test 1000 hrs	Pass	-