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# 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	тм
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 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)	120	Kg.cm
Reverse impact (ASTM 2794)	120	Kg.cm
Salt spray test 1000 hrs	Pass	-

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