SAMRAT POLY RESINS
Manufacturer of Coating & Composite Resins · Doraha, Ludhiana, Punjab, India

TECHNICAL DATA SHEET Doc. Ref: SPR-TDS-RLS · Rev. 01 · July 2026

ROOF LIGHT SHEET GRADE RESIN

Water-White Unsaturated Polyester Resin · Orthophthalic · Translucent Roof Light Panels

PRODUCT DESCRIPTION

Roof Light Sheet Grade Resin is an orthophthalic unsaturated polyester resin formulated for translucent roof light panels that allow natural light into buildings. Water-white with a 6.5-minute gel time, it maintains high optical clarity for maximum light penetration while resisting yellowing, brittleness and degradation from sun exposure. It cures with MEKP into a rigid crosslinked polymer, with a viscosity of 280 cPs for easy hand layup.

KEY FEATURES

- High optical clarity, water-white colour
- UV-resistant — resists yellowing and brittleness
- Viscosity of 280 cPs for easy hand layup
- Cures with MEKP into a rigid crosslinked polymer
- 2-month shelf life

RECOMMENDED APPLICATIONS

- Skylights and roof light panels
- Greenhouses
- Industrial and commercial roofing
- Hand layup and roofing sheet production

TYPICAL TECHNICAL PROPERTIES

Resin Type	Orthophthalic unsaturated polyester
Physical Form	Liquid
Colour	Water white
Viscosity	280 cPs
Gel Time	6.5 minutes
Curing System	Non-accelerated; cures with MEKP catalyst
Styrene Content	35%
Purity	99%
UV Resistance	Resists yellowing, brittleness and sun degradation
Specific Gravity / Density	1.1 g/cm³
Cure Time	12 hours
MEKP Dosage	MEKP 1.5% and Cobalt Octoate 0.4%
Flash Point	32 °C, closed cup
Shelf Life	2 months
Storage Temperature	30–35 °C
Packaging	225 kg drum
Minimum Order Quantity	500 kg

Fields marked “Not Provided” are pending confirmation with technical staff and will be issued in a revised sheet. No value is estimated or assumed.

SAFETY & HANDLING

Follow standard industrial safety practices when handling this product, including appropriate personal protective equipment and adequate ventilation. Refer to the applicable Safety Data Sheet (SDS) where available.