

SUPREME RESINS

D-7/7, MIDC PHASE I, DOMBIVLI (EAST)

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TECHNICAL DATA SHEET ROOFLITE RESIN - SPR 701

SPR 701 is a Rooflite Resin is a medium reactivity, high molecular weight Unsaturated Polyester Resin. It displays excellent clarity in both liquid and cured state. It ensures fast wetout of fibreglass reinforcements, rapid cure, tack free surface.

It is designed to meet the needs of the fibreglass reinforced corrugated roofings and other skylight items.

Physical Properties

Appearance	Clear Transparent Liquid
Specific gravity @ 30°C	1.10 ± 0.01
Acid Value, mgKOH/g	25 ± 2
Volatile content, % by wt.	36 ± 2
Viscosity @ 30°C Brookfield Viscometer, cPs	325 ± 50
Gel Time, minutes at 30°C 1.0% v/w Cobalt Octoate (3% Co) 2.0% v/w MEKP (8% Active Oxygen)	8 ± 2
Peak Exotherm Temperature, °C	180 – 190

Properties of Cured Resins

Heat Deflection Temperature (HDT)	90°C
Water Absorption	0.10 %
Barcol Hardness	40
Total Volume Shrinkage	8 %
Flexural Strength	115 MPa
Flexural Modulus	3700 MPa
Elongation at Break	2%
Tensile Strength	60 MPa
Tensile Modulus	3400 MPa