



SAMRAT POLY RESINS

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

TECHNICAL DATA SHEET

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MARBLE RESIN

Water-White Unsaturated Polyester Resin · Cultured Marble & Artificial Stone · Fast Demould

PRODUCT DESCRIPTION

Marble Resin is a premium-grade unsaturated polyester resin specially formulated for manufacturing cultured marble and artificial stone products. Water-white with medium viscosity, it offers excellent filler compatibility, smooth flow and a high-gloss finish, curing in 20–40 minutes with strong adhesion and consistent batch-to-batch quality.

KEY FEATURES

- Excellent filler compatibility and smooth flow
- High-gloss finish, low shrinkage
- Water and chemical resistant once cured
- Fast 20–40 minute cure for production throughput
- Consistent batch-to-batch quality

RECOMMENDED APPLICATIONS

- Cultured marble slabs and vanity tops
- Kitchen and bathroom countertops, wash basins
- Wall panels, window sills, architectural components
- Marble sheets, statues, railings and balusters

TYPICAL TECHNICAL PROPERTIES

Resin Type	Unsaturated polyester resin
Colour	Water white
Physical Form	Liquid
Viscosity	450 cPs (at 25 °C)
Curing Time	20–40 minutes (at 25 °C)
Key Characteristics	Excellent filler compatibility, smooth flow, high-gloss finish, low shrinkage
Water / Chemical Resistance	Excellent after full cure
Gel Time	15–20 minutes (1.5% MEKP at 25 °C)
Styrene Content	35%
Catalyst / Dosage	MEKP 1.5%
Specific Gravity / Density	1.12 g/cm ³
Flash Point	32 °C (closed cup)
Shelf Life	3 months
Storage Temperature	20–30 °C, store in a cool, dry place away from direct sunlight
Packaging	200 kg pack
Minimum Order Quantity	200 kg

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.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.