



SAMRAT POLY RESINS

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

TECHNICAL DATA SHEET

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FRP POLYESTER PIGMENT

High-Strength Colour Paste for FRP · UPR-Compatible · RAL & Pantone Custom Matching

PRODUCT DESCRIPTION

FRP Polyester Pigment is a colorant paste designed specifically for FRP products made with unsaturated polyester resins. Formulated to blend seamlessly with the resin system, it provides consistent multicolour coloration without affecting curing or mechanical properties. It withstands the exothermic heat of curing, contains stabilisers to resist fading, and is available in a wide range of standard and custom colours including RAL and Pantone matches.

KEY FEATURES

- Blends seamlessly with unsaturated polyester resins
- Withstands exothermic curing heat
- UV and weather-resistant stabilisers resist fading
- Available in RAL and Pantone custom matches
- Consistent colour without affecting cure or mechanicals

RECOMMENDED APPLICATIONS

- FRP tanks and pipes
- Gel coats for boats and automotive parts
- Decorative and architectural panels
- Electrical enclosures and moulded components

TYPICAL TECHNICAL PROPERTIES

Product Type	Polyester pigment paste for FRP
Physical Form	Paste
Binder Compatibility	Unsaturated polyester resins (UPR), vinyl ester resins & gelcoats
Colour Range	Multicolour; RAL and Pantone custom shades available
Heat Resistance	Up to 180 °C
Light Fastness	7–8 (Blue Wool Scale)
Recommended Dosage	2–5% by weight
Tinting Strength	High (≥ 95%)
Specific Gravity / Density	1.45 g/cm³
Shelf Life	12 months (unopened)
Storage Temperature	15–30 °C, store in a cool, dry place away from direct sunlight
Packaging	1 kg bottle
Minimum Order Quantity	100 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.