



Samrat Poly Resins

PRODUCT CATALOG

FRP RESINS &
COMPOSITE RAW MATERIALS

Manufacturer of Unsaturated Polyester
Resins & FRP Raw Materials

Doraha, Ludhiana, Punjab, India



SAMRAT POLY RESINS

ABOUT US

About Samrat Poly Resins

Samrat Poly Resins is an ISO 9001:2015 certified manufacturer of Unsaturated Polyester Resins and FRP Raw Materials, established in 2017. We are based in Doraha, Ludhiana, Punjab, India.



SAMRAT POLY RESINS

INTRODUCTION

Our Product Range

◆ GP Resins	7
General-purpose orthophthalic resins for hand lay-up, spray-up and lamination.	
◆ Sheet Grade Resins	2
Sheet moulding and roofing grade systems.	
◆ GelCoat Resin	1
Surface-coating gelcoat for smooth, protective, high-gloss finish.	
◆ Fire Retardant Resins	2
Halogenated and halogen-free grades for fire-safety applications.	
◆ FRP Allied Products	2
Pigments and reinforcement materials for FRP fabrication.	
◆ Epoxy & Casting	4
Clear casting, art, UV-cure and hardener systems.	
◆ Industrial & Specialty Resins	6
Vinyl ester, bisphenol, PET, marble, fiberglass epoxy and moulding compound.	
◆ Hardeners	2
MEKP and Cobalt catalyst systems for resin curing.	

01 · GP RESINS

5 Products

General-purpose orthophthalic resins for hand lay-up, spray-up and lamination

GCR

GP Clear Resin

General-purpose orthophthalic resin for crystal-clear, high-gloss FRP applications

Resin Type	Orthophthalic UPR
Viscosity	350–450 cPs
Gel Time	<8 min
Specific Gravity	1.20 g/cm ³

Water Tanks · Panel Lamination · Hand Lay-Up

LR

Lamination Resin

High-gloss orthophthalic resin for premium lamination applications

Resin Type	Orthophthalic UPR
Viscosity	400 cPs
Gel Time	5 min
Specific Gravity	1.20 g/cm ³

Door Lamination · Photo Lamination · Furniture & Woodwork

GQR

GP Quartz Resin

Specialized resin for engineered stone and quartz surface production

Resin Type	Orthophthalic UPR
Viscosity	350–650 cPs
Gel Time	7–10 min
Specific Gravity	2.45 g/cm ³

Engineered Stone · Quartz Countertops · Decorative Slabs

BGR

Button Grade Resin

Specialized resin for button moulding and decorative components

Resin Type	Orthophthalic UPR
Viscosity	1,000–3,000 cPs
Gel Time	5–9 min
Specific Gravity	1.05–1.20 g/cm ³

Garment Fasteners · Decorative Accessories · Resistant Finish

GYR

GP Yellow Resin

General-purpose orthophthalic resin for high-gloss yellow FRP applications

Resin Type	Viscosity	Gel Time	Specific Gravity
Orthophthalic UPR	450–650 cPs	8–12 min	1.25 g/cm ³

FRP Components · Decorative Mouldings · General Purpose Lamination

02 · SHEET GRADE RESINS

2 Products

Sheet moulding and roofing grade systems

SGY

Sheet Grade Yellow

Low-viscosity resin for general-purpose FRP sheet manufacturing

Resin Type	Orthophthalic UPR
Viscosity	280 cPs
Gel Time	5.5 min
Specific Gravity	1.9–2.2 g/cm ³

FRP sheet manufacturing · General purpose

RLS

Roof Light Sheet

UV-stabilised resin for rooflight sheet manufacturing

Resin Type	Orthophthalic UPR
Viscosity	280 cPs
Gel Time	5.5 min
Specific Gravity	1.10 g/cm ³

Rooflight sheets · UV-stable roofing

03 · GELCOAT RESIN

1 Product

Surface-coating gelcoat for smooth, protective, high-gloss finish

GGR

GP Gelcoat Resin

High-coverage, high-gloss surface finishing resin

Resin Type	Viscosity	Gel Time	Specific Gravity
Isophthalic (ISO)	11,000 cPs	8.5 min	1.10–1.30 g/cm ³

Automotive slides · FRP doors · Metro / rail coaches

04 · FIRE RETARDANT RESINS

2 Products

Ortho and iso based fire-resistant systems

FRR

Fire Retardant Resin

Orthophthalic base resin for fire-resistant FRP applications

Resin Type	Orthophthalic (Ortho)
Viscosity	400 cPs
Gel Time	5.5 min
Specific Gravity	1.10–1.75 g/cm ³

Railways · Automobile · Fire retardant parts

IFR

ISO Fire Retardant

Isophthalic base resin for fire and chemical resistant applications

Resin Type	Isophthalic (ISO)
Viscosity	350–1,000 cPs
Gel Time	8–12 min
Specific Gravity	1.10–1.40 g/cm ³

High-rise buildings · Metro coaches · Laminates

05 · FRP ALLIED PRODUCTS

2 Products

Pigments and reinforcement materials for FRP fabrication

FPP

PIGMENT ADDITIVE

FRP Polyester Pigment

Colour concentrate paste for polyester resin systems

Form	Paste
Colour Range	White, Black, Red, Blue, Green & Yellow
Dosage	Pending TDS Verification
Compatibility	Compatible with Unsaturated Polyester Resins, Vinyl Ester Resins and Gelcoats

Colour matching · Gelcoat tinting

GFM

REINFORCEMENT MATERIAL

Glass Fiber CSM

E-glass chopped strand mat for hand lay-up and spray-up

Fiber Type	Chopped Strand Mat
Areal Weight	300 GSM & 450 GSM
Roll Width	1040 mm
Binder Type	Emulsion Binder

Hand lay-up · Structural laminates

06 · EPOXY & CASTING

Clear casting, art, UV-cure and hardener systems

4 Products

ECCR

Epoxy Clear Casting Resin

Crystal-clear epoxy resin system for decorative casting

Resin Type	Two-part Epoxy-Polyamine Thermosetting Polymer System
Viscosity	400 cPs
Gel Time	2–6 hours
Specific Gravity	1.08–1.14 g/cm ³

Resin art · Tabletop casting

EAR

Epoxy Art Resin

Two-part epoxy system for artistic resin work

Resin Type	Epoxide-Based Two-Part Epoxy Resin & Amine Hardener System
Viscosity	500–1,200 cPs
Gel Time	2–6 hours
Specific Gravity	1.05–1.15 g/cm ³

Resin art · Jewelry · Tabletop coating

UVR

UV-CURE SYSTEM

UV Resin

UV-curable resin for rapid light-cured finishing

Resin Type	Acrylate / Methacrylate UV-Curable Resin System
Viscosity	1,500–3,000 cPs
Cure Time (UV)	60–90 sec
Specific Gravity	1.05–1.25 g/cm ³

UV coatings · Rapid prototyping

EPH

CURING AGENT

Epoxy Hardener

Curing agent for epoxy resin systems

Chemical Type	Aliphatic Amines
Viscosity	100–2,000 cPs
Mixing Ratio	2:1
Specific Gravity	0.93–1.15 g/cm ³

Epoxy curing · Two-part systems

07 · INDUSTRIAL & SPECIALTY RESINS

6 Products

Vinyl ester, bisphenol, PET, marble, fiberglass epoxy and moulding compound

DMC

DMC / SMC Resin

High-filler-loading resin for moulding compounds

Resin Type	Orthophthalic Unsaturated Polyester Resin
Viscosity	550 cPs
Gel Time	10 min
Specific Gravity	1.13 g/cm ³

Compression moulding · Electrical components

VER

Vinyl Ester Resin

High-performance system for chemical and corrosion resistance

Resin Type	Bisphenol-A Epoxy Vinyl Ester Resin
Viscosity	350 cPs
Gel Time	18 min
Specific Gravity	1.05 g/cm ³

Chemical tanks · FRP linings

BPR

Bisphenol Resin

Bisphenol-based vinyl ester for advanced corrosion resistance

Resin Type	Bisphenol-A Epoxy Vinyl Ester Resin
Viscosity	400 cPs
Gel Time	20 min
Specific Gravity	1.06 g/cm ³

Chemical processing · Marine

MBR

Marble Resin

Filled resin for cultured marble and onyx production

Resin Type	Orthophthalic Unsaturated Polyester Resin
Viscosity	300 cPs
Gel Time	15 min
Specific Gravity	1.12 g/cm ³

Cultured marble · Decorative panels

FER

Fiberglass Epoxy Resin

Epoxy system for structural fiberglass laminating

Resin Type	Bisphenol-A Epoxy Resin
Viscosity	900 cPs
Gel Time / Pot Life	35 min
Specific Gravity	1.16 g/cm ³

Structural laminates · Filament winding

PET

THERMOPLASTIC

PET Resin

Polyethylene terephthalate resin chips

Form	Resin Chips
Intrinsic Viscosity	0.80 dL/g
Melting Point	250°C
Moisture Content	≤ 0.20%

PET Bottles · Packaging

08 · HARDENERS

MEKP and cobalt octoate curing systems for resin polymerization

2 Products

MEKP

MEKP Hardener

Peroxide catalyst for room-temperature resin curing

Active Oxygen	9.0%
Viscosity	25 cPs
Recommended Dosage	1.0–2.0%
Specific Gravity	1.17 g/cm ³

Used across all standard polyester systems

COB

Cobalt Octoate

Accelerator for room-temperature peroxide curing

Cobalt Content	6%
Viscosity	15 cPs
Recommended Dosage	0.2–0.5%
Specific Gravity	0.95 g/cm ³

Used alongside MEKP in standard cure systems

⚠ HANDLING NOTE

MEKP and cobalt octoate must never be mixed directly with each other. Add each separately into the resin — direct contact between the two can react violently.



SAMRAT POLY RESINS

Engineering Better Composites. Built on Quality.

For samples, technical data sheets, or bulk order enquiries —
reach out to our team directly.

REGISTERED OFFICE

Oswal Road, Near GT Road, Doraha,
Ludhiana, Punjab — 141421, India

CONTACT

+91 74638 81005

+91 74638 81652

info@samratpolyresins.in

samratpolyresins.in

GST

03ALBPS3446G1ZB

ISO 9001:2015 CERTIFIED · ESTD. 2017