



# ORTHOPHTHALIC COOLING TOWER GRADE RESIN

SPR 201 CTG · Thixotropic orthophthalic grade for sag-resistant lay-up

## PRODUCT DESCRIPTION

SPR 201 CTG is the thixotropic orthophthalic grade of the SPR 201 family, listed for cooling-tower FRP components, wind-turbine FRP components and sag-resistant lay-up on vertical surfaces. It is supplied non-accelerated and cured with MEKP and cobalt octoate added separately during use.

## KEY FEATURES

- Thixotropic orthophthalic grade (SPR 201 CTG)
- Listed for sag-resistant lay-up on vertical and large surfaces
- Typical viscosity 350–450 cPs and gel time under 8 minutes
- Supplied non-accelerated; MEKP and cobalt octoate added during use

## LISTED APPLICATIONS

- Cooling-tower FRP components
- Wind-turbine FRP components
- Sag-resistant lay-up on vertical surfaces

## TYPICAL SPECIFICATION

### IDENTITY AND SUPPLY

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Catalogue Code                | SPR 201 CTG                                            |
| Resin Chemistry               | Orthophthalic unsaturated polyester                    |
| Supply Condition              | Non-accelerated                                        |
| Colour / Appearance           | Clear liquid                                           |
| Manufactured At               | Doraha, Ludhiana, Punjab, India                        |
| Packaging, MOQ and Shelf Life | Confirm with Samrat Poly Resins at the time of enquiry |

### TYPICAL LIQUID RESIN PROPERTIES

|                 |                 |
|-----------------|-----------------|
| Viscosity       | 350–450 cPs     |
| Gel Time        | Under 8 minutes |
| Styrene Content | 33–40%          |

### CURE SYSTEM

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Reference Cure System | MEKP 1.5% + Cobalt Octoate 0.4% — added separately during use |
|-----------------------|---------------------------------------------------------------|

Values are typical values published by Samrat Poly Resins for this grade in the 2026 product catalogue. They describe the liquid resin at the stated reference condition and are not guaranteed limits or finished-component properties. Properties of a cured laminate, casting, compound or moulded part depend on the reinforcement, process and cure used, and must be established by the user.

## GRADE SELECTION

SPR 201 CTG is one grade in the Samrat Poly Resins range. Where the requirement is different from the applications listed above, these are the usual alternatives to review:

- Isophthalic Cooling Tower Grade Resin (SPR 301 CT) — The thixotropic isophthalic grade, for cooling-tower and wind-energy parts where heat, chemical or corrosion resistance is part of the requirement.
- GP Clear Resin (SPR 201 GPC) — The general laminating grade with the same typical liquid values, for flat or shallow moulds where sag is not the problem.
- ISO Polyester Resin (SPR 301) — The general isophthalic grade, for laminates facing water immersion or chemical service.

Share the finished part, the process and the service conditions with your enquiry so the right grade can be confirmed before a trial.

## SAFETY & HANDLING

Handle with appropriate personal protective equipment and adequate ventilation. Unsaturated polyester resins contain styrene, which is flammable. Keep away from heat, sparks and open flame.

Never mix the peroxide catalyst directly with the cobalt accelerator. Add each separately into the resin — direct contact between the two can react violently.

Store the resin, initiators and accelerators separately, in original sealed containers, cool, shaded and away from heat and ignition sources. Request the current safety information for this grade from Samrat Poly Resins before handling.

**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.