

### ChangFu® SP-2231

#### Water-based Thermosetting Silicone Resin

**Description** ChangFu® SP-2231 is a thermosetting water-based silicone resin that is fully miscible with water in any ratio. It offers excellent compatibility with acrylic and polyurethane water-based materials without compromising coating stability, and can be combined with various high-temperature resistant fillers.

**Features & Benefits**

- Eco-friendly: No organic solvents are produced during curing.
- Enhanced Performance: Improves adhesion, hardness, wear resistance, resistance to abrasion, and stain resistance.
- Compatibility with Cobalt Blue Filler: Provides bright, clear coatings with 92% visible light transmittance on building insulation glass.
- Hardness Boost: Increases coating hardness from 4B to H with 20% addition to an acrylic lotion formula.

**Applications**

- Used in combination with acrylic lotion to improve the hardness of coating and optimize product performance.
- Mixed with cobalt blue filler to improve the transparency and hardness of the inner surface of building insulation glass.
- Paired with various high-temperature resistant fillers to enhance the stability and durability of coatings in high-temperature environments.
- Used to prepare adhesives and sealants for automotive, furniture, construction and other fields, greatly improving adhesion and weather resistance.

#### Typical Properties

Appearance	Colorless or light-yellow clear liquid
Solid Content, wt%	31±1
pH Value	≤7
Viscosity, mPa.s	≤20

**Package** Offered in 25L pails and 200L drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep the container tightly closed.

**Transportation** See the corresponding Safety Data Sheet.