

ChangFu® SP-5125
Multifunctional Water-based Silicone Resin

Description ChangFu® SP-5125 is an eco-friendly, alkaline, multifunctional water-based silicone resin, ideal for chromium-free passivation in metal surface treatments, glass fiber reinforcement, fiber surface treatment, paper processing, and coating synthesis.

Features & Benefits Eco-friendly: Does not contain heavy metals or harmful solvents, and does not release flammable organic components.
Water-based Compatibility: Ideal for polymer systems using water as a solvent.
Excellent film-forming capabilities: Greatly improve corrosion resistance and adhesion.
Adhesion Promoter: Enhances bonding between inorganic materials (glass, metal, fillers) and organic polymers (plastics, elastomers).

Applications Used as an adhesion promoter to improve the adhesion and compatibility in sealants, adhesives, paints, and coatings, especially suitable for water-based systems.
Used for surface modification of inorganic fillers and metals, improving dispersibility, wettability, surface adhesion of fillers and metals, enhancing corrosion resistance.
Used as an eco-friendly additive for preparing glass fiber reinforced materials.

Typical Properties

Appearance	Colorless or light-yellow clear liquid
Solid Content, wt%	25±1
pH Value	≥10
Viscosity, mPa.s	≤100

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.