

ChangFu® SP-NW51



Amino functional siloxane oligomer in water

Description ChangFu® SP-NW51 is an Eco-friendly aqueous silane solution containing amino functional groups. Its main ingredient is the special functional group silicone, which does not contain heavy metals and harmful solvents. It is primarily utilized as an adhesion promoter between inorganic materials (e.g. glass, metals and fillers) and organic polymers (thermosets, thermoplastics and elastomers). Due to its excellent properties, it also serves as an alkaline chromium-free passivation metal surface treatment agent and a surface modifier of fiber and papers.

Features & Benefits No flammable organic components are released.
Especially suitable for polymer systems with water as the solvent.
No volatile organic compounds are released.
Excellent metal surface treatment agent.

Applications Used as an adhesion promoter improve the adhesion and compatibility for sealant, adhesive, paints, and coatings, especially suitable for water-based systems.
Used in the surface modification of inorganic fillers and metals, to improve the dispersion and wettability of fillers, improve surface adhesion and corrosion resistance of the substrates.
Used as an eco-friendly additive for the preparation of glass fiber reinforcement materials.

Typical Properties

Description	Amino functional siloxane oligomer in water
Product No.	ChangFu® SP-NW51
Appearance	Colorless to light yellow clear liquid
Solid Content	25±0.5%
Viscosity	≤100 (m.Pas)
PH Value	>10

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

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

Transportation See the corresponding Safety Data Sheet.