

ChangFu® CS23-W



Aqueous dispersion of colloidal silica

Description ChangFu® CS23-W is a new type of aqueous dispersion of colloidal silica, which can be mixed and dissolved with water in any ratio. It has excellent compatibility with waterborne polymers, especially with water-based emulsion or resins.

Features & Benefits Environmentally friendly product with no organic solvents generated during the curing process
Has high adhesion and is suitable for various application fields.
Has super strong freeze-thaw stability.
Can significantly enhance the scratch resistance of coatings and improve their durability.
Can greatly improve the wettability, permeability, and stain resistance of coatings.

Applications Used as an additive for water-based paints, inks, and coatings, enhancing the adhesion and wear resistance of coatings, and increasing the fluidity and dispersibility of inks.
Used as a high temperature binder for precision casting and mold manufacturing.
Used to prepare coatings for electronics and optical components.
Used to improve rheology for encapsulation materials of LED and semiconductors.
Used as a releasing agent to improve the surface properties of paper and enhance the printing effect and durability of paper.

Typical Properties

Description	Aqueous dispersion of colloidal silica
Appearance	Translucent liquid
Product No.	ChangFu® CS23-W
Particle Size, nm	15±5
SiO ₂ , wt%	30±0.5
Viscosity	≤30
PH Value	3-10

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.