

### ChangFu® MS-E11



Water-borne coating adhesion promoter

**Description** ChangFu® MS-E11 is a multi-functional, virtually VOC-free silicone-modified aqueous sol-gel. It consists of organic functional silanes and modified nanoscale SiO<sub>2</sub> particles. It contains a high concentration of active silanol functional groups that can be chemically bonded to the surface of a suitable substrate and highly crosslinked by forming a network of siloxanes.

**Features & Benefits** Contains reactive silanol groups and epoxy groups.  
Can be diluted with water and commonly used organic solvents.  
Able to enhance the hardness and scratch resistance of coating.

**Applications** Mainly used in sol-gel based paints and coatings. It can significantly improve the adhesion, hardness, scratch and abrasion resistance, and high temperature resistance.

### Typical Properties

Description	Water-borne coating adhesion promoter
Product No.	ChangFu® MS-E11
Appearance	Colorless to light yellow liquid
Solid Content	30-40% (customization available)

**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.