

Wetting agent

UV401

Product Introduction:

UV401 is a silicone surface additive for solvent-free, radiation-curable, and solvent-based coating systems, adhesives, and printing inks. It significantly reduces surface tension, providing low surface tension that enhances slip and substrate wetting. The additive is compatible with acrylic, alkyd, amide, epoxy, nitrocellulose, phenolic, polyester, and vinyl resin systems.

Product Features:

- ◆ Excellent wettability
- ◆ Low surface tension
- ◆ Good compatibility
- ◆ Release effect

Applicability

Water-base	Solvent-base
●	●
Solvent-less	Bicomponent
●	●
Paint	Varnish
●	●
○ Unsited ◎ Partially suited ● Suited	

Application

◆ Suitable for solvent-based and solvent-free two-component polyurethane systems, UV-curable coatings, polyester/melamine baking coating systems, and various water-based systems. It is ideal for wood and furniture coatings, can coatings, roll coatings, and leather finishing agents. It is particularly recommended for clearcoats, flexographic, offset, and screen printing inks.

Technical information

Chemical composition	Silicone oxane copolymer
Active content	100%
Appearance	Transparent liquid
Viscosity (mPa·s, 25℃)	300-600

Recommended addition

0.05-2% based on the total formulation.

Taboo

Low temperature will cause turbidity or solidification, but it can be eliminated by raising temperature, and the product performance will not be affected.

Specification

25 kg/drum; 200 kg/drum

Storage and shelf life

- ◆ Transportation and storage of non-hazardous chemicals
- ◆ Cool, dry and sealed storage
- ◆ Shelf life: 12 months from the date of production

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