

Silicone Defoamer for Solvent-based, Solvent-free and Radiation-curing Coatings and Inks

SURFADIOLS 900

(Alternative to TEGO Airex 900)

SURFADIOLS 900 is a silicone defoamer with excellent performance. It is suitable for solvent-based, solvent-free and radiation curing coatings, especially for radiation curing system and two-component epoxy system, and for paint formulation. It has a wide range of applications, including amine/amide cured epoxy floor coatings, solvent-based and radiation-cured screen-printing inks, radiation-cured varnish, wood and furniture coatings, amine/amide cured epoxy baking paint.

Typical properties

Appearance	Milky white liquid
Composition	Organic modified polysiloxane, containing fumed silica
Active ingredient content	100%
Solvent	None
Viscosity (mpa.s)	400-1000
Density (20°C), g/cm ³	0.95-1.10

Special properties

- Suitable for solvent, solvent-free and radiation curing formulations
- Solvent-free
- Ideal for paint formulation
- High defoaming efficiency

Incorporation and Processing Instructions

When used in paint formulation, it is recommended to add the defoamer in grinding stage. Mixed well before use. Addition to the coating as supplied or as a predilution is possible. The defoamer must be mixed under high shear force.

Recommended Levels

Amount of additive (as supplied) based upon formulation weight:

Amine and amide cured epoxy floor coatings: 0.1-1.0%

Solvent based and radiation curable screen-printing inks 0.1-1.0%

Radiation curable varnish: 0.1-1.0%

Wood and furniture coatings 0.1-0.8%

Amine and amide cured epoxy baking paint 0.1-1.0%

Leather coating: 0.1-0.8%

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Package and storage

The standard package is 25kg plastic drums, 18 drums per pallet.

Keep containers tightly closed in a dry, cool, and well-ventilated place at 10-35 °C. Keep away from heat and fire sources.

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture.