



Technical Data Sheet

DOWSIL™ 56 Additive

Siloxane additive that eliminates microfoam in solvent-based systems and acts as leveling agent

Features

- Outstanding antifoam efficiency at elevated temperatures
- Eliminates microfoam
- Improves leveling and increases gloss
- Improves mar resistance
- Recoatable when used as directed

Composition

- 100 percent active alkylmethyl siloxane additive
- Pourable liquid

Applications

DOWSIL™ 56 Additive is intended for eliminating microfoam, improving leveling and improving mar resistance. DOWSIL 56 Additive has been successfully used in these industrial applications¹:

- Eliminates microfoam in solvent-based wood coatings and maintains film integrity of curtain coatings
- Improves leveling in solventless paints at 0.2 to 0.5 percent
- Improves leveling in water-based wood coatings at 0.5 to 5 percent
- Improves leveling in solvent-based wood coatings at 0.05 to 0.5 percent and as high as 5 percent
- Improves mar resistance in solvent-based industrial coatings
- Aids dispersion of damp pigments
- Aids pigment orientation in metallic-effect finishes

1. All usage levels are weight percents based on the total formulation.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Color		Light straw
Specific Gravity at 25°C (77°F)		1.006
Flash Point, Closed Cup	°C (°F)	> 101 (> 214)
Viscosity at 25°C (77°F)	cs	1500

How To Use

DOWSIL 56 Additive is effective at low concentrations. The amount required depends on type of formulation, the solvent it contains, resin system and total system solids. DOWSIL 56 Additive is generally effective at concentrations typically ranging from 0.05 to 2.0 weight percent, based upon total formulation. This additive can be added during the grind, let-down or be post-added. Characteristics may vary when used with different systems and formulations. DOWSIL 56 Additive is compatible with acrylic, alkyd, epoxy, nitrocellulose, polyesters, polyurethane and vinyl systems. Thorough preproduction testing is necessary to ensure expected performance.

Blending/Diluting

DOWSIL 56 Additive is typically added during the final thinning and color matching step. It should be blended after the paint has been removed from the processing equipment. DOWSIL 56 Additive can be diluted with aromatic solvents, mineral spirits, ketones, esters or chlorinated solvents (see Handling Precautions).

Recoating

Finishes incorporating DOWSIL 56 Additive are generally recoatable without surface preparation. In the unlikely event that recoating difficulties occur, the surface should be washed with solvent and wet sanded with a 1 percent detergent solution.

Handling Precautions

CAUTION: Vapor overexposure may irritate eyes, nose and throat.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Shipping Limitations

None.

Storage And Shelf Life

DOWSIL 56 Additive has a shelf life of 36 months from date of manufacture. Refer to product packaging for "Use By" date.

Packaging

DOWSIL 56 Additive is available in 16.9 fl oz (500 mL) samples; 44.1 lb (20 kg) pails and 441 lb (200 kg) drums.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

<http://www.consumer.dow.com>

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