

Product Information

Paints, Inks and Coatings

Dow Corning[®] 11 Additive

FEATURES

- Provides slip, mar resistance and leveling in solvent-based applications
- Can correct glossing, pinholing and fisheyes
- Reduces foaming during production
- Recoatable when used as directed
- Does not contaminate
- Meets BGA compliance after full evaporation of solvent

COMPOSITION

- Reactive silicone glycol surfactant with carbinol functionality
- Supplied at 10 percent active concentration

Silicone additive provides slip, mar resistance and leveling in solvent-based applications

APPLICATIONS

Dow Corning[®] 11 Additive has been successful in these industrial applications:¹

To reduce the coefficient of friction:

- Ink: Solvent-based flexographic ink at 0.1-0.2%
 Coating: Solvent-based wood coating at 0.2-1.0% or as low as less than 0.05%
 Paint: Solvent-based paint at 0.05-0.2%

To improve mar resistance:

- Ink: UV-cured flexographic ink at 0.5-1.0%
 Coating: Solvent-based wood coating at 0.2-1.0% or as low as less than 0.05%
 Paint: Solvent-based paint at 0.05-0.2%

To improve leveling:

- Coating: Solvent-based automotive refinishing coating at 0.5-1.0% based on solids
 Solvent-based wood coating at 0.1-5.0%
 Paint: Solvent-based paint at 0.05-0.1% or as high as 1.0%

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

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test	Unit	Result
Appearance		Colorless, clear liquid
Nonvolatile Content	percent	9.5-11.0
Solvent		Toluene
Functionality		Carbinol
Specific Gravity at 25°C (77°F)		0.875
Flash Point, closed cup	°C (°F)	7 (45)
Viscosity at 25°C (77°F)	cs	1.5

HOW TO USE

Dow Corning 11 Additive is effective at low concentrations. The amount required depends on type of formulation, the solvent it contains, resin system and total system solids.

Dow Corning 11 Additive is generally effective at concentrations typically ranging from 0.05-0.5 weight percent, based upon total formulation. This additive can be added during the grind or let-down, or can be post-added.

Characteristics may vary when used with different systems and formulations. *Dow Corning* 11 Additive is compatible with acrylic, alkyd, amide, epoxy, nitrocellulose, polyesters, polyurethane and vinyl systems. Thorough preproduction testing is necessary to ensure expected performance.

Blending/Diluting

Dow Corning 11 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. *Dow Corning* 11 Additive can be diluted with aromatic solvents, mineral spirits or ketones (see Handling Precautions).

Recoating

Finishes incorporating *Dow Corning* 11 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: Direct contact with eyes and skin irritates; may be severe.

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USE LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. Not for human injection.

SHIPPING LIMITATIONS

DOT Classification: Class 3 flammable.

STORAGE AND SHELF LIFE

When stored at or below 49°C (120°F) and above -34°C (-29°F), *Dow Corning* 11 Additive has a shelf life of 36 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING

Dow Corning 11 Additive is available in 16.9-fl oz (500-mL) samples; 33-lb (15-kg) pails and 396-lb (180-kg) drums.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

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

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

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