

Product Information

Paints, Inks and Coatings

Dow Corning[®] 7 Additive

FEATURES

- Provides foam control and leveling/wetting aid in solvent-based ink and coating systems
- Compatible with acrylic, alkyd, amide, epoxy, nitrocellulose, polyesters, polyurethane and vinyl systems
- Can be added at any process stage during manufacture
- Performs at low concentrations
- Low flash point

COMPOSITION

- Fluorosilicone supplied at 5 percent active concentration

Foam control and leveling/wetting aid in solvent-based ink and coating systems

APPLICATIONS

Dow Corning[®] 7 Additive has been successful in these industrial applications:¹

To improve foam control:

Ink:	Solvent-based screen printing ink at 0.05-0.1%
	Solvent-based flexographic and gravure ink at 0.1-0.2%
Coating:	Solvent-based wood coating at 0.05-0.1%
	Solvent-based industrial coating at 0.05-0.1%
Paint:	Solvent-based paint at 0.1-0.2%

To improve leveling/wetting:

Ink:	Solvent-based flexographic ink at 0.1-0.2%
	Solvent-based wood coating at 0.5-5%
Coating:	Solvent-based industrial coating at 1.0-2.0%
	Solvent-based industrial metal decor coating at 0.5-1.0%
Paint:	Solvent-based paint at 0.05-0.1%

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		Clear liquid
Percent Solids	percent	4.5-6.0
Solvent		Methyl isobutyl ketone
Specific Gravity at 25°C (77°F)		0.81
Flash Point, closed cup	°C (°F)	12 (54)
Viscosity at 25°C (77 °F)	cs	0.74-0.84

HOW TO USE

Dow Corning 7 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 7 Additive is generally effective at concentrations ranging from 0.05-5% 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* 7 Additive is compatible

with acrylic, alkyd, amide, epoxy, nitrocellulose, polyesters, polyurethane and vinyl systems. Thorough preproduction testing is necessary to ensure expected performance.

Recoating

Finishes incorporating *Dow Corning* 7 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: Vapors may irritate and cause pain and watering of the eye. Direct contact with the eye irritates moderately with redness and swelling.

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

Dow Corning 7 Additive has a shelf life of 18 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING

Dow Corning 7 Additive is available in 4-oz (113-g) samples, 30- and 31-lb (13.6- and 14-kg) pails and 325-lb (147.4-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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