



DOWSIL™ 8621 Additive

Foam control agent in solvent-based and radiation curable coatings

Features & Benefits

- Provides foam control property in solvent based coatings and UV curable coating.
- Effective at low temperature for winter season.
- Performs at low concentrations.

Composition

- Fluorosilicone supplied at 5 percent active concentration

Applications

DOWSIL™ 8621 Additive has been successful in these industrial applications:

- Mild solvent based 1K silicone acrylic paint for roof paint
- Acrylic non aqueous dispersion paint
- Solvent based alkyd paint
- Radiation curable paint

Typical Properties

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

Property	Unit	Result
Appearance		Clear, pale yellow liquid
Active content	%	4.5–5.5
Solvent		Methyl ethyl ketone

Description

DOWSIL™ 8621 Additive gives efficient foam control at very low addition level without surface defects in solvent based paints and UV curable coating.

How to Use

DOWSIL™ 8621 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™ 8621 Additive is generally effective at concentrations ranging from 0.1–1.0 wt % weight percent, based upon total formulation. Characteristics may vary when used with different systems and formulations. Thorough preproduction testing is necessary to ensure expected performance.

**Handling
Precautions**

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 DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

DOWSIL™ 8621 Additive has a shelf life of 36 months from date of manufacturing. Refer to product packaging for “use by” date.

**Packaging
Information**

DOWSIL™ 8621 Additive is available in 14 kg pails.

Limitations

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

**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, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user’s responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

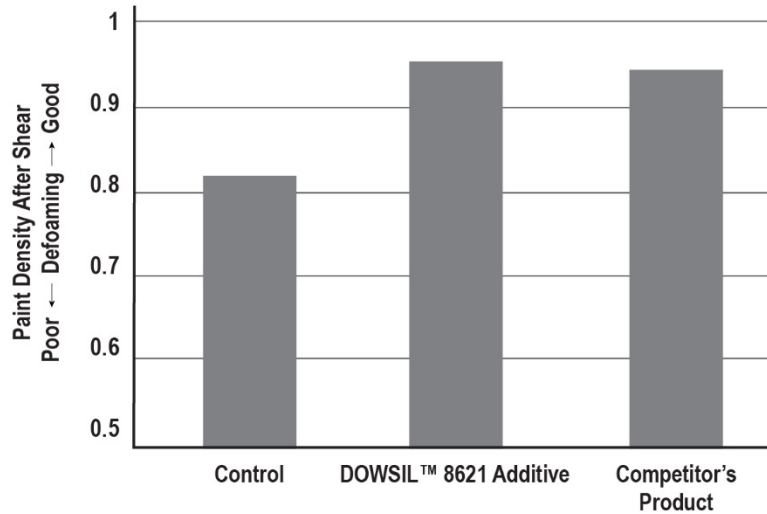


Figure 1: DOWSIL™ 8621 Additive at the 0.1 weight % as supplied in NAD (Non Aqueous Dispersion) paint for architectural roof coating as below. Paint density reported after shearing 1 minute at 4000 rpm using dissolver blade. These results indicate that DOWSIL™ 8621 Additive provides superior performance as a defoamer for solvent based paint.

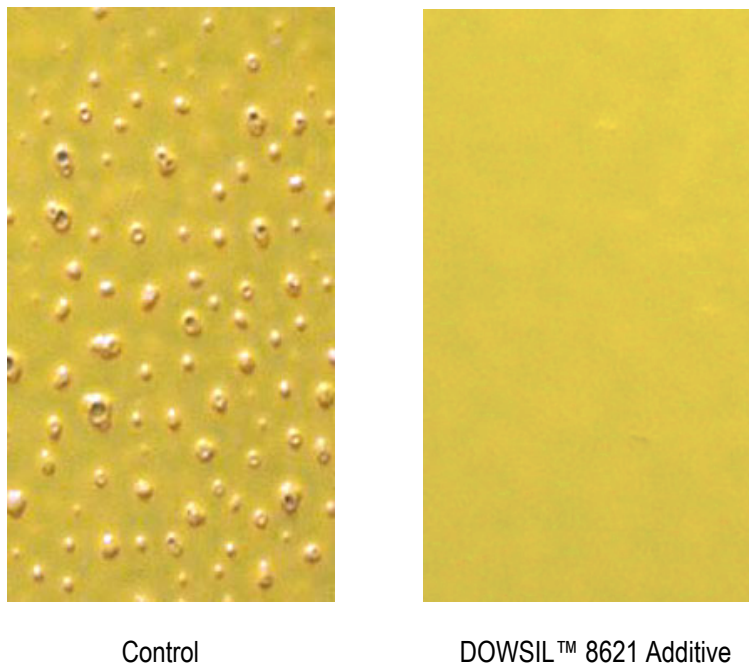


Figure 2: Surface appearance of the same mild solvent based paint after roller application with DOWSIL™ 8621 Additive. The results show that bubbles are eliminated after application of DOWSIL™ 8621 Additive.

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