



Technical Data Sheet

DOWSIL™ 8526 Additive

This silicone glycol surfactant is used to provide leveling and improve slip in waterborne, solvent based and radiation curable coatings.

Features & Benefits

- Highly effective leveling and slip additive
- Good re-coatability
- Effective at low addition levels
- Excellent compatibility with acrylic, epoxy, polyesters and urethane formulations
- Can be diluted in alcohols, glycol ethers, aromatic solvents and water
- Contains materials listed in the Swiss Ordinance¹

¹None of the substances present in this product is currently subject to specification or restriction pursuant to Annex 6 of Swiss Ordinance of the FDHA on Materials and Articles (RS 817.023.21) of 23 November 2005

Composition

- Carbinol functional silicone polyether copolymer
- 100 percent active

Applications

- DOWSIL™ 8526 Additive may be used as effective slip or leveling agent in waterborne coating, solvent-based coating and UV curable coating.

Typical Properties

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

Property	Unit	Result
Appearance		Amber liquid
Viscosity at 25°C (77°F)	mPa s	1000–3000
Specific Gravity at 25°C (77°F)		1.03
Flash Point, Closed Cup	°C (°F)	242 (467)

Description

DOWSIL™ 8526 Additive is an easy-to-use, high performance silicone polyether additive that gives improved leveling and slip in waterborne solvent based and UV curing formulations at low addition levels.

How to Use

The recommended addition level of DOWSIL™ 8526 Additive is 0.05 to 1% as supplied, based on total formulation. Thorough preproduction testing is necessary to ensure expected performance.

How to Use (Cont.)	As a 100% silicone polyether copolymer, the high shear stability allows flexibility in the order of addition in the paint process.
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™ 8526 Additive has a shelf life of 27 months from date of manufacturing. Refer to product packaging for "Use By" date.
Packaging Information	DOWSIL™ 8526 Additive is available in 120 mL (4 fl oz) samples, 1 kg cans (2.2 lb), 18 kg (39.7 lb) pails and 200 kg (441 lb) drums.
Limitations	This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
Health and Environmental Information	<p>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.</p> <p>For further information, please see our website, dow.com or consult your local Dow representative.</p>
Disposal Considerations	<p>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.</p> <p>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.</p>
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.

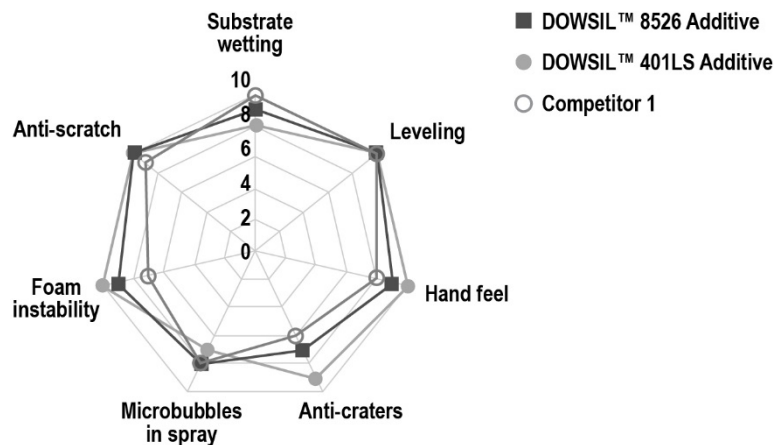


Figure 1: Evaluation results of the 10-point scale in SB coatings

Versatile performance in solvent borne formulations, DOWSIL™ 8526 Additive provides a well-balanced performance in the key properties of leveling, slip and substrate wetting.

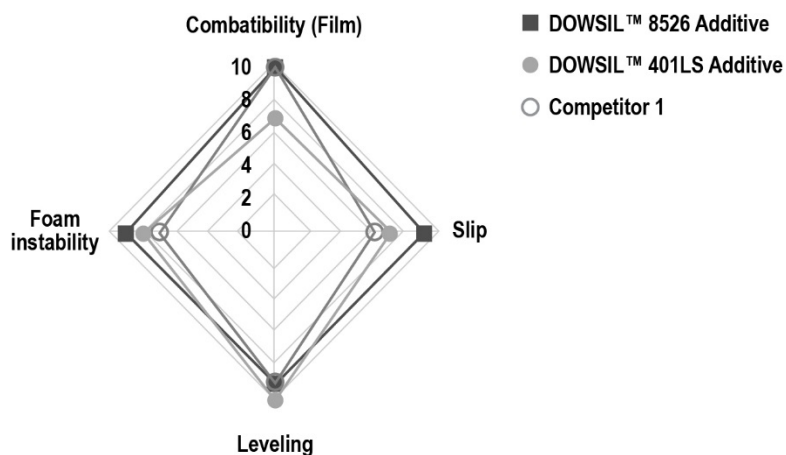


Figure 2: Evaluation results of the 10-point scale in WB Urethane Emulsion coating

In waterborne formulations, DOWSIL™ 8526 Additive provides a strong reduction in coefficient of friction and provides excellent slip, without impacting gloss.

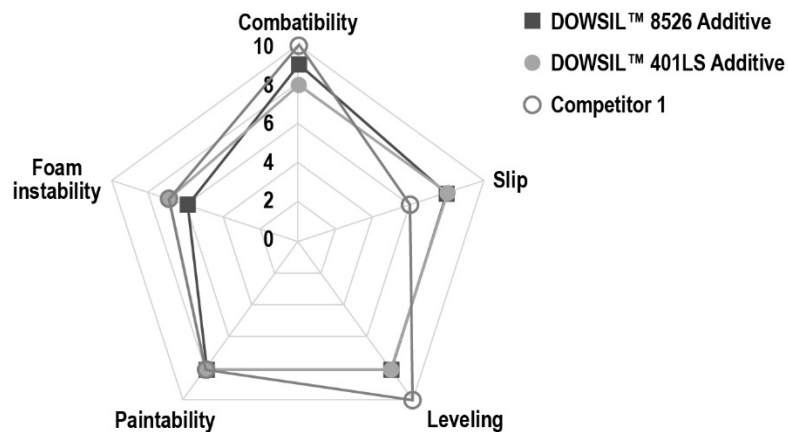


Figure 3: Evaluation results of the 10-point scale in solvent less UV curable coating

In radiation cured formulations, DOWSIL™ 8526 Additive greatly improve leveling.

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