



Technical Data Sheet

DOWSIL™ 23 N Additive

Silicone additive for solvent and aqueous coatings

Features & Benefits

- White elastomeric silicone powder
- Contains epoxy groups
- Resistant to scratching and general marking
- Provides a matt finish

Composition

- Silicone elastomer powder

Applications

- Imparts mar and abrasion resistance by reducing surface friction
- Confers a matte finish with touch modification

Typical Properties

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

CTM ¹	Property	Unit	Result
0176	Appearance		White powder
1138	Average particle size	µm	2
1138	Particle size distribution	µm	1–10
0025	Bulk density	g/liter	0.18
0024	Epoxy equivalent		5000
0208	Water content	%	0.1

1. CTM: Corporate Test Method, copies of CTMs are available upon request.

Description

DOWSIL™ 23 N Additive is a cross-linked epoxy functional silicone elastomer powder.

How to Use

DOWSIL™ 23 N Additive is best dispersed in the final coating when a premix of 40 to 45% of DOWSIL™ 23 N Additive is blended with diethyleneglycol Monomethyl ether, a Dow Methyl Carbitol™, for example, or a similar glycol ether under moderate shear. This premix is then added to the final formulation under agitation. This premix method is valid for water based and solvent based coating formulations.

Typical addition level is 1% to 15% based on coating solids.

**Handling
Precautions**

The user should incorporate proper handling and processing procedures to avoid flame and ignition sources.

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**

When stored at or below 25°C in the original unopened containers, this product has a usable life of 27 months from the date of production.

**Packaging
Information**

This product is available in 10 kg pails and 20 kg drums.

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.

dow.com

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