



## DOWSIL™ 210S Additive

Ultra-high molecular weight silicone dispersion in water with improved compatibility and low tendency to cause craters

### Features & Benefits

- Customized slip and hand-feel
- Improved mar and scratch resistance
- Enhanced anti-blocking
- Good compatibility
- Less tendency to cause craters
- Easy to use

### Composition

- Ultra-high molecular weight silicone dispersion in water
- Supplied at 60% active in water

### Applications

- DOWSIL™ 210S Additive has been successfully applied in waterborne wood coatings to customize slip and hand-feel, improve mar resistance and enhance anti-blocking
- DOWSIL™ 210S Additive has been shown to have good compatibility with various resin emulsions and a low tendency to cause craters in waterborne wood coatings

### Typical Properties

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

CTM <sup>1</sup>	Property	Unit	Result
0176	Appearance		Milk white fluid, free of visible impurity
0208	Nonvolatile	%	57–60
0050	Viscosity at 25°C	cP	200–1000

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

### Description

DOWSIL™ 210S Additive utilizes novel technology to deliver ultra-high molecular weight silicone into waterborne coatings. It can be used to customize slip and hand-feel for coating surface, while improving mar resistance and enhancing anti-blocking.

DOWSIL™ 210S Additive has improved compatibility with various resin emulsions and has a low tendency to cause craters on coating surface.

DOWSIL™ 210S Additive has low viscosity and it is easy to use for customers.

**How to Use**

DOWSIL™ 210S Additive may exhibit a water layer on the bottom. Before use, gentle mixing is highly recommended. This water layer is a part of the normal appearance and it will not influence the performance.

DOWSIL™ 210S Additive is recommended for use at 0.1–0.3% as supplied, based on total formulation. The amount to use will vary depending on customers' formulation and should be checked before industrial use.

DOWSIL™ 210S Additive has low viscosity. It can be added without dilution. In addition, it can be diluted with water and coalesced before addition.

**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**

The product should be stored in its original packaging with the cover tightly attached to avoid any contamination. Store in accordance with any special instructions listed on the product label. The product should be used by the indicated Exp. Date found on the label.

**Packaging  
Information**

This product is available in 181 kg drums and 16 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](http://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.

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