



## Technical Data Sheet

### DOWSIL™ 904H Coating Additive

Functional polydimethylsiloxane used as an additive to promote snail trail resistance in high PVC (dark) colored paints. Adding DOWSIL™ 904H Coating Additive also provides improved surface hydrophobicity and water repellency.

#### Features & Benefits

- Colorless to amber liquid
- BTX-free
- EU VOC 25 g/l according to DIRECTIVE 2010/75/EU
- US VOC: 19 g/L US include/exclude value
- Improves snail trail resistance
- Improves water beading
- Improves water repellency

#### Composition

- Functional polydimethylsiloxane

#### Applications

DOWSIL™ 904H Coating Additive has been used successfully in these applications:

- Water born (styrene) acrylic based pigmented formulations
  - To improve snail trail resistance
  - To improve surface hydrophobicity and water repellency

#### Typical Properties

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

Test <sup>1</sup>	Property	Unit	Result
CTM 0176	Appearance		Pass
CTM 0050	Viscosity	cP	70

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

#### Description

DOWSIL™ 904H Coating Additive is a functional polydimethylsiloxane which improves snail trail resistance in dark colored high PVC paints. When water is applied 24 hours after application on a modified High PVC (styrene)- acrylic paint with 2.0–5% DOWSIL™ 904H Coating Additive, the marks left after the moisture removal are significantly lower than for the unmodified paint. The water beading and water repellency are also significantly improved.

#### How To Use

DOWSIL™ 904H Coating Additive is recommended to use at approximately 2.0–5% of total formulation (although the amount required depends on the type of formulation). DOWSIL™ 904H Coating Additive is best added directly at the end of the mill phase, as this improves its compatibility in the formulation. Alternatively, it can be added during the letdown stage.

**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**

When stored at below 50°C (122°F) in the original unopened container, this product has a usable life of 700 days from the date of production.

Maximum storage temperature is 50°C and minimum storage temperature is -20°C.

After opening, DOWSIL™ 904H Coating Additive, extra care should be taken to ensure that atmospheric moisture contamination does not occur within the original container.

**Packaging  
Information**

This product is available in 200 kg drums and 20 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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