



DOWSIL™ IE-3301 Elastomer Suspension

Elastomeric silicone suspension

Features & Benefits

- Increases the matting of the dry film
- Imparts a soft touch finish
- Increases mar resistance
- Utilized in aqueous topcoat systems for synthetic and natural leather
- Easy to incorporate into topcoats such as acrylics and polyurethanes
- A strong matting effect provided for nonsolvent based topcoats
- Easy to incorporate

Composition

- Elastomeric silicone beads suspended in an aqueous anionic system
- Contains epoxy functional groups

Applications

- Used as a matting agent in aqueous topcoat finishes for natural and synthetic leather applications such as automotive, home, shoes and garments

Typical Properties

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

CTM ¹	Property	Unit	Result
0208	Appearance		Slightly yellow milky liquid
0201	Mean Particle Size(D90)	micron	6–20
0208	Solid Content	%	54
0007	pH		6
	Suspension Type		Anionic

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

Description

DOWSIL™ IE-3301 Elastomer Suspension is a suspension of elastomeric silicone beads. The elastomeric silicone beads contain epoxy functionality.

How to Use

The product has not been thickened, so slight separation of the suspension is possible. It is advised to gently stir the material before use.

These suspensions can be utilized as part of the leather topcoat. They can be added directly to the topcoat system, for example polyurethane, or can be applied as a thin layer on top of the topcoat by post spraying a mixture of polyurethane and DOWSIL™ IE-3301 Elastomer Suspension. Lower concentrations can be obtained if necessary by dilution with water.

Dosage levels need to be fine-tuned according to the specific application needs and the aqueous topcoat being employed.

Experiments have been conducted with polyurethane topcoats. A strong matting effect was achieved with 36 parts powder per 100 parts solid polyurethane when DOWSIL™ IE-3301 Elastomer Suspension was incorporated directly into the polyurethane. Softness was also improved.

**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 CONSUMER.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 50°C (122°F) in the original unopened containers, this product has a usable life of at least 360 days from the date of production.

**Packaging
Information**

This product is available in 16 kg pails and 180 kg drums.

Samples are available in 1 kg bottles.

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

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