



## ACRYSOL™ DR-50 Rheology Modifier

For Decorative Textured Paints

### Regional Product Availability

- Asia-Pacific

### Description

ACRYSOL™ DR-50 Rheology Modifier is a hydrophobically modified, alkali-soluble, anionic associative thickener, designed to offer a highly pseudoplastic rheology profile for industrial coatings, decorative paints or high solids formulation, especially recommended for textured paints including stone paint, stucco and elastomeric wall coatings (EWC). ACRYSOL DR-50 Rheology Modifier was designed with innovative “Double Strength” thickening technology. ACRYSOL DR-50 Rheology Modifier facilitates formulation of paints with excellent low shear rate thickening efficiency, very good heat-age stability, excellent sag resistance and broad compatibility with a variety of formulation systems. ACRYSOL DR-50 Rheology Modifier offers increased thickening efficiency especially with PRIMAL™ Emulsion Polymers.

### Key Features

- Excellent low shear rate viscosity thickening efficiency
- High thixotropic rheology profile for special decoration effect
- Strong interaction with latex particles, good compatibility with broad range of latex chemistries
- Excellent storage stability.
- Potential for post-addition, for ease of formulation

### Typical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	36.0
Density (g/ml), wet	1.08
pH	3.5
Viscosity (Brookfield LV #1, 60 rpm, 25°C), cps	< 100
Stabilization	Anionic
Solvent	Water

### Application Method

- 1) Adjust pH of paint to at least pH 8.0.
- 2) Slowly add diluted ACRYSOL™ DR-50 Rheology Modifier. Recommended to dilute with at least 50% water.
- 3) Ensure adequate agitation, and adjust the final pH to at least pH 8.0.
- 4) Add sufficient ACRYSOL DR-50 Rheology Modifier to achieve the desired viscosity.

## Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

## Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

## Disposal

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 Coating Materials Technical Representative for more information.

## Chemical Registration

Many countries within the Asia-Pacific require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

## Note on Asia-Pacific Product Line

Product availability and grades vary throughout the countries in Asia-Pacific. Please contact your local Dow Coating Materials representative for further information and samples.

## Product Stewardship

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