



## ACRYSOL™ DR-72 Thickener

Alternative to High Molecular Weight Cellulosic Thickeners

### Regional Product Availability

- Asia-Pacific

### Description

ACRYSOL™ DR-72 Thickener is a synthetic, liquid, anionic rheology modifier that offers a single, low cost / high performance alternative to cellulosic thickeners in interior flat, sheen, and satin latex paints. It can be used in structured paints and replace high molecular weight HEC in renders, plasters, etc.

ACRYSOL DR-72 Thickener is part of the DESIGNED RHEOLOGY™ Product Line which offers a liquid alternative to HEC with customized rheology and endpoint application performance. This associative thickener offers application and “in-can feel” properties that are very similar to those of higher molecular weight cellulosic thickeners.

ACRYSOL DR-72 Thickener offers excellent resistance to roller spattering, improved levelling, and better response to dilution in most formulations. ACRYSOL DR-72 Thickener is easy to handle and incorporate during the paint manufacturing process and is highly resistant to microbial attack.

### Application

ACRYSOL™ DR-72 Thickener is designed for use in a wide range of latex paint formulations for excellent performance. It is particularly well suited for low-sheen interior formulations, including above CPVC low volume solids paints. In these formulations, it can be used as a cost effective alternative to cellulose.

ACRYSOL DR-72 Thickener is supplied as a low-viscosity liquid that is easy to pour and pump. It is especially attractive to use when bulk handling and automatic metering equipment are used.

Cellulosic thickeners are traditionally used in rendering systems, such as aggregate finishes, marble stone finishes and all other kinds of trowelable products. In these textured paints applied in high thickness, the sag resistance is a key property, and formulators normally use high molecular weight HEC thickeners which deliver a high viscosity at low shear. ACRYSOL DR-72 Thickener is an excellent alternative in these types of formulations.

### Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	30.0
Density, wet, (g/ml)	1.05
pH	4.0
Viscosity (Brookfield LV #1, 60 rpm, 25 °C), cps	< 20
Stabilization	Anionic
Solvent	Water

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ACRYSOL™ DR-72 Thickener / Dow Coating Materials

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## 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

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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