



ACRYSOL™ RM-400 Rheology Modifier Nonionic Associative Thickener

Description

ACRYSOL™ RM-400 Rheology Modifier is a solvent-free*, hydrophobically modified ethylene oxide urethane (HEUR) rheology modifier based on proprietary technology for an excellent balance of properties.

This KU-building associative thickener offers formulators an excellent balance of sag resistance, particularly in tinted paints, flow and leveling, and gloss development for interior and exterior paints.

ACRYSOL RM-400 Rheology Modifier also contributes significant ICI viscosity, allowing the reduction of ICI builder use level in the paint. When reformulating with ACRYSOL™ RM-400, the ICI builder concentration should be reduced approximately 25% as a starting point.

ACRYSOL RM-400 Rheology Modifier should be added under good mixing conditions to ensure complete incorporation into the formulation.

ACRYSOL RM-400 Rheology Modifier is supplied at low pH and, therefore, may slightly lower the pH of the paint formulation. Small amounts of extra base may need to be added to the paint formulation to ensure the final pH target is reached. We recommend that all base be added prior to the addition of ACRYSOL RM-400.

Key Features

- Outstanding application properties
- Excellent finished paint appearance
- Solvent free*, water based, no VOC intentionally added
- Provided as low viscosity liquid.

Benefits

- Good thickening efficiency, spatter resistance
- High sag resistance with excellent flow and leveling. Excellent viscosity stability to tinting.
- Excellent choice for low odor, low VOC applications
- Easy to handle and incorporate during manufacturing process
- Does not contribute to the growth of mildew.

Typical Properties

(The following properties are typical but do not constitute specifications)

Property	Typical Values
Appearance	Hazy liquid
Solids, %	19.0
Active Polymer, %	18.0
Solvent	Water
Brookfield Viscosity, cP	1000
Density, g/ml	1.032

* - manufactured without added solvent

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 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. .

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.

Contact:

North America: 1-800-447-4369
Latin America: (+55)-11-5188-9000
Europe: (+800)-3-694-6367
Asia-Pacific: (+800)-7776-7776
<http://www.dowcoatingmaterials.com>

Notice: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



UNRESTRICTED– May be shared with anyone
®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow
ACRYSOL™ RM-400 Rheology Modifier / Dow Coating Materials

884-00307-0213-NAR-EN-
CDP 10/2014, Rev. 1