



Technical Data Sheet
for Europe, Middle East and Africa

ACRYSOL™ TT-615

HASE Rheology Modifier

Product Description

ACRYSOL™ TT-615 Rheology Modifier is a hydrophobically modified alkali swellable (HASE) associative thickener, designed to give a very pseudo plastic profile.

Application

ACRYSOL TT-615 Rheology Modifier is delivered as a low viscosity liquid. It is very easy to handle and incorporate into the coating. ACRY SOL TT-615 Rheology Modifier develops viscosity by neutralisation to a pH of 7.0-10.0. It is resistant against microbe and enzyme attack. ACRY SOL TT-615 Rheology Modifier offers coatings with high in-can structure and is great for use with thickeners designed to give high shear viscosity, to achieve the desired balance between sag and levelling properties. ACRY SOL TT-615 Rheology Modifier has a very pseudoplastic rheological profile suitable to reduce settling tendencies in coatings. ACRY SOL TT-615 Rheology Modifier can be added to the mill- base, to the letdown, or as a post addition without affecting performance properties, as long as the medium is sufficiently alkaline during the incorporation and sufficient mixing is available.

Supplied as a low viscosity emulsion, ACRY SOL TT-615 Rheology Modifier is easy to pump or pour and therefore very suitable for bulk handling and/or automatic metering equipment. It is recommended to add ACRY SOL TT-615 Rheology Modifier diluted 1:1 with water.

In any case, the addition of the appropriate amount of base prior to the ACRY SOL TT-615 Rheology Modifier is essential in order to avoid reduction in pH and subsequent pigment flocculation. ACRY SOL TT-615 Rheology Modifier can also be added during the let down stage in a preneutralised form (92.7 parts water, 0.7 parts ammonia 28% and 6.6 parts ACRY SOL TT-615) that is adjusted to a pH of between 8.0 and 8.5.

Typical Properties¹⁾

Appearance	Milky white liquid
Solids content	29.5 ... 30.5 %
pH	2.2 ... 3.2
Density	1.06 g/cm ³
Viscosity (Brookfield LVT, spindle 1 @ 60 rpm)	max. 35 mPa·s

¹⁾ Please note that the values shown are typical values for your guidance. They are not to be taken as specifications and are subject to certain variability. Please consult the sales specifications for details.

Health and Safety Considerations

Safety Data Sheets (SDS) are available from The Dow Chemical Company. SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

Storage and Handling

ACRYSOL™ TT-615 Rheology Modifier should be stored at temperatures between 5°C and 40°C in tightly sealed containers. Avoid freezing of the material! Local legislation on storage must be followed.

We recommend using the product under safety precautions as described in the SDS. Avoid contact with eyes and skin. Large quantities should be handled in a correctly ventilated area. Material can create slippery conditions

As the product contains water and has low pH corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used.

Product Stewardship

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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.

Additional Information	<p>For more information you may call the following numbers:</p> <table data-bbox="563 255 1345 376"> <tr> <td>Europe*)</td> <td>+800-3-694-6367 (toll free)</td> </tr> <tr> <td>Italy</td> <td>800-783-825 (toll free, national)</td> </tr> <tr> <td>Europe, Middle East, Africa</td> <td>+31-11567-2626 (toll call)</td> </tr> <tr> <td>South Africa</td> <td>+800-99-5078 (toll free, national)</td> </tr> </table> <p>*) International toll free from Austria, Belgium, Denmark, Finland (prefix 990), France, Germany, Hungary, Ireland, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.</p>	Europe*)	+800-3-694-6367 (toll free)	Italy	800-783-825 (toll free, national)	Europe, Middle East, Africa	+31-11567-2626 (toll call)	South Africa	+800-99-5078 (toll free, national)
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