Construction Chemicals

Technical Data Sheet

ACRYSOL™ TT-615

HASE Rheology Modifier

Product Description

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

Application

ACRYSOL™ TT-615 is delivered as a low viscosity liquid. It is very easy to handle and incorporate into the coating. ACRYSOL™ TT-615 develops viscosity by neutralisation to a pH of 7.0-10.0. It is resistant against microbe and enzyme attack.
ACRYSOL™ TT-615 provides paints with high incan structure and is ideal for use with thickeners designed to give high shear viscosity, to achieve the desired balance between sag and levelling properties. ACRYSOL™ TT-615 has a very pseudoplastic rheological profile ideal to reduce settling tendencies in coatings. ACRYSOL™ TT-615 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, ACRYSOL™ TT-615 is easy to pump or pour and therefore very suitable for bulk handling and/or automatic metering equipment. It is recommended to add ACRYSOL™ TT-615 diluted 1:1 with water. In any case, the addition of the appropriate amount of base prior to the ACRYSOL™ TT-615 is essential in order to avoid reduction in pH and subsequent pigment flocculation. ACRYSOL™ TT-615 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 ACRYSOL™ TT-615) that is adjusted to a pH of between 8.0 and 8.5.

Typical Properties[1)]

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.

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Storage and Handling

ACRYSOL™ TT-615 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.

Additional Information	For more information you may call the following numbers: **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)** *) 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.

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