

RHEOLATE® 666 IF

Associative rheological additive for low VOC formulations

Solvent-free, APE-free, tin-free, polyether urea polyurethane associative (HEUR) thickener for latex paints and other waterborne coatings

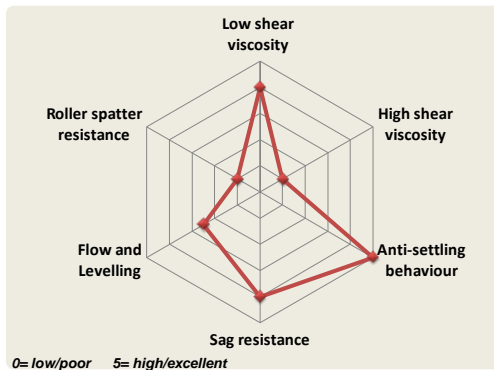
GENERAL INFORMATION

RHEOLATE 666 IF is designed for use in low VOC latex systems.

RHEOLATE 666 IF provides thickening efficiency primarily in the low-shear rate range (Stormer, KU) viscosity.

RHEOLATE 666 IF is easy to incorporate and effectively thickens a broad range of waterborne dispersions and latexes.

RHEOLATE 666 IF is isothiazolinone free and biocide free and therefore contains no MIT, BIT or CIT.



CHEMICAL & PHYSICAL PROPERTIES

Appearance	cloudy Off-White to White liquid
Active Solids	20%
Total Solids	28.5%
Brookfield Viscosity cps	< 8,000 (Brookfield RVT spindle 4, 20 rpm, 25°C)
Specific Gravity	1.04
Solvent	water

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Spray-applied industrial coatings
- Gloss latex paints
- Satin-gloss latex paints
- Latex paints for interior and exterior applications, based on a wide range of binders
- Water-reducible paints
- Adhesives and Inks

KEY PROPERTIES

- Low odour
- Provides viscosity at low and medium-shear rates
- Provides effective flow and levelling control
- Excellent spray characteristics
- pH-independent
- Easily incorporated
- Compatible with other rheological additives
- Allows broad formulating flexibility

INCORPORATION

RHEOLATE 666 IF is typically added just before the let-down or at the very end of the paint manufacturing process.

Care should be taken in sensitive formulations to avoid possible shock or de-stabilization.

In fine-particle or hydrophobic latex systems, when association can be strong, it is advisable to dilute the thickener first with an equal quantity of water.

In non-sensitive systems the additive can be incorporated at any convenient stage.

RHEOLATE 666 IF can be combined with traditional additives, such as clays, cellulosics or acrylic thickeners.

The rheological properties of associative thickeners are developed by interaction with the other ingredients in a given system. The thickening efficiency of **RHEOLATE 666 IF** may be influenced by solvents, binders or surfactants.

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RHEOLATE[®] 666 IF

LEVELS OF USE

The typical levels of use for **RHEOLATE 666 IF** are 0.4 to 2.0% (as delivered) by weight of the formulation. To achieve optimum properties the systems' surfactant blend may need modification. Advice is available on request.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Store **RHEOLATE 666 IF** in a cool, dry location.

Store above 4 °C (40 °F)

In the event of accidental freezing, thaw gently, spread a portion between clean glass slides and examine for granules. If found, do not use.

SHELF LIFE

RHEOLATE 666 IF has a shelf life of 2 (two) years from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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