

## RHEOLATE<sup>®</sup> 250

### Rheological Additive

### Associative Thickener for Mid Shear-Rate Viscosity Build in Water-Borne Systems

#### GENERAL INFORMATION

**RHEOLATE 250** is a 14% active solids, non-ionic synthetic associate thickener in an aqueous solution of water, butyldiglycolether and surfactant. It is designed for use in latex paints and other waterborne systems including adhesives, caulks, sealants and inks. **RHEOLATE 250** is optimized for medium shear-rate applications and provides high thickening efficiency with optimized flow and substrate wetting.

**RHEOLATE 250** can be used alone, or in combination with a co-thickener such as RHEOLATE HX 6010 or RHEOLATE 212 if a more Newtonian shear rate profile are desired.

#### CHEMICAL & PHYSICAL PROPERTIES

Appearance	off-white liquid
Active solids	14 - 15%
Total solids	14 - 15%
Brookfield Viscosity (cps)	< 5,000 (Brookfield LVT, Spindle 4@20 rpm, 25°C)
Density (lbs/gal) / specific gravity	8.4 / 1.02
Solvent	water and butyldiglycolether

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

#### APPLICATIONS

- Interior and exterior latex gloss and semi-gloss coatings
- Pressure sensitive and packaging adhesives
- Waterborne caulks and sealants
- Waterborne Inks

#### KEY PROPERTIES

- Efficient mid-shear (KU) rheology modifier
- Shear thinning viscosity profile
- Promotes effective substrate wetting
- Reduced spattering during roller application
- Bio-stable
- pH independent rheology
- Compatible with other thickener systems

#### INCORPORATION

**RHEOLATE 250** can be used as supplied, or if necessary, further diluted with water. Addition can take place at any time during the paint manufacturing process, but incorporation into the millbase before letdown is recommended.

**RHEOLATE 250** can be combined with other associative thickeners such as RHEOLATE HX 6010 or RHEOLATE 212, clay based thickeners such as BENTONE LT or BENTONE EW, cellulosic or acrylic thickeners.

The thickening efficiency of **RHEOLATE 250** may be influenced by solvents, binders or surfactants. It is important to assess the effectiveness of **RHEOLATE 250** in the complete paint formulation, as performance can be affected by other raw material ingredients.

#### LEVELS OF USE

Typical use levels of **RHEOLATE 250** are 0.5% to 3.0% (thickener solids) on total system weight.

#### 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

**RHEOLATE 250** should be kept above 4°C (40°F). In the event of accidental freezing, thaw gently, spread a portion between glass slides and examine for granules. If found, do not use.

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### SHELF LIFE

RHEOLATE 250 has a shelf life of 2 (two) years from date of manufacture.

### QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated 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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V01 Sep. 2018

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