

## RHEOLATE<sup>®</sup> 266

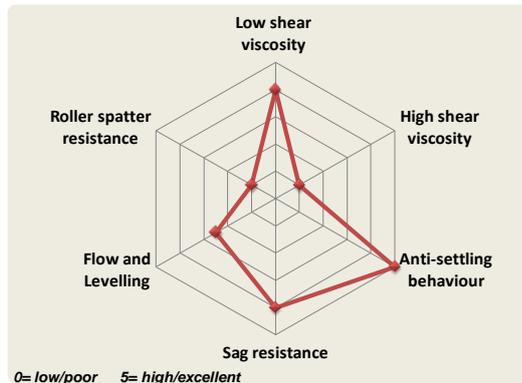
### Associative Thickener for Highly Shear-Thinning Viscosity Development

#### GENERAL INFORMATION

**RHEOLATE 266** associative thickener for waterborne systems is based on a new polyether urea polyurethane polymer. The activity has been engineered to provide highly efficient thickening at low- to medium-shear rates and shear-thinning viscosity. This is ideal for spray-applied or doctor-blade-applied systems such as industrial topcoats and primers; furniture and wood lacquers; maintenance paints; adhesives.

**RHEOLATE 266** is easy to incorporate and effectively thickens a broad range of waterborne dispersions and latexes.

**RHEOLATE 266** is an effective alternative to alkali swellable acrylics and is particularly valuable for use in coatings applied to pH-sensitive substrates, such as wood veneers. **RHEOLATE 266** does not impair gloss and levelling.



#### CHEMICAL & PHYSICAL PROPERTIES

Appearance	translucent off-white to white liquid
Active Solids	20 %
Total Solids	20 %
Brookfield Viscosity cps	< 3,500 (Brookfield RVT, spindle 4, 20 rpm, 25°C)
Specific Gravity	1.03
Solvent	water and butyldiglycol

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

#### APPLICATIONS

- Industrial coatings
  - OEM topcoats and primer paints
  - Metal decorative finishes
  - Vehicle component lacquer
  - Maintenance paints
- Wood lacquers
- Wood care products
- Decorative coatings
  - High PVC matt
  - Contractor matt and semi-gloss
- Refractory coatings
- Adhesives

#### KEY PROPERTIES

- Viscosity build
- Excellent high-shear application performances i.e. spray, brush, roller, blade
- Good flow and leveling, good sag resistance
- Cost effective compared to conventional thickeners
- Non-splattering
- Non-misting
- pH insensitive and independent

continued...

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### INCORPORATION

**RHEOLATE 266** can be used as supplied or, if required, diluted. Addition can take place at any time during the manufacturing process. Addition before letdown of a paint mill-base is strongly recommended. Dilution with glycol will allow easier incorporation.

This product can be combined with traditional additives, such as BENTONE EW, BENTONE LT, cellulose 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 266** may be influenced by solvents, binders or surfactants.

### LEVELS OF USE

The typical levels of use for **RHEOLATE 266** are 0.2 to 6.0 % by weight of the formulation. To achieve optimum properties the system's 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 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 266** 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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