

## TECHNICAL DATA SHEET

# RHEOTECH™ 3300

Acrylic associative thickener for water-based systems

## HASE Acrylic Thickener



26% Bio Carbon Content (only for EMEA supply)  
-20% Carbon Footprint Reduction (only for EMEA supply)

### TYPICAL CHARACTERISTICS

Nature	<b>Aqueous dispersion of an acrylic copolymer</b>
Appearance	<b>Low viscous white milky liquid</b>
Solid Content (%)	<b>30</b>
Active Content (%)	<b>30</b>
pH	<b>3</b>
Specific gravity	<b>1.06</b>
Solvent	<b>Water</b>
Total Bio content (%)	<b>26</b>

### DESCRIPTION

Rheotech™ 3300 is an hydrophobically modified alkali swellable acrylic based associative thickener. Compared with Rheotech™ 2000, it provides more in-can viscosity, and is thus recommended for use in interior and exterior flat dispersion paints, where it imparts excellent rheological balance between high and low shear viscosities with low dosage. Rheotech™ 3300 therefore improves brush load and film build, spattering and sag-levelling compromise. Rheotech™ 3300 is an ethoxylated nonylphenols-free alternative to Rheotech™ 3000.

### RECOMMENDED ADDITION LEVEL

Typical levels of addition for Rheotech™ 3300 fall in the range 0.1% - 0.6% by weight of active ingredient on the total weight of the formulation. The optimum thickening effect is obtained 24 hours after the incorporation of Rheotech™ 3300 in the paint.

### STANDARD PACKAGING

- Other packaging may be available upon request
- 1000L IBC
  - 220L Drum
  - Bulk

### HANDLING & STORAGE

It can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure. Once opened, packaging should be resealed immediately after use. Film-forming product, surface may dry in contact with air. A slight sedimentation can be visible at the bottom of drums or totes. This phenomenon is normal and has no impact on the use and level of performance as long as the solids content of the product meets the specification. If necessary, filter the product prior to its use.

In these conditions, this product should be used within 6 months from delivery.

### MARKETS

#### Composites & Advanced Materials

- Graphic Arts

#### Coatings & Inks

- Architectural Coating
- Industrial Coating
- Textile & Leather Coating

### KEY BENEFITS

#### FORMULATION

- Color acceptance
- Cost in use
- Easy handling



#### STORAGE

- Syneresis resistance
- In-can appearance
- Antisettling
- Viscosity stability



#### APPLICATION

- Spatter resistance
- Tinting resistance
- Brushability



#### FILM PROPERTIES

- Rub out
- Stain resistance
- Hiding power/Opacity



#### SAFER SOLUTIONS

- APEO Free\*
- Heavy Metal Free\*
- LiCl Free\*
- MIT Free\*
- Solvent Free\*

\* Not intentionally added but not specifically measured (not part of product specification)

- Total Bio content (%) **26**

# RHEOTECH™ 3300

## PROCESSING INSTRUCTIONS

Rheotech™ 3300 can be added as supplied to a paint formulation or in a 1/5 blend with water (i.e. at 5% SC in water), neutralized to a pH of 8.5 before addition. In either case the pH of the formulation should not fall below 8. If necessary, the medium to be thickened should be pre-neutralized to a pH of 9.0 before any addition of Rheotech™ 3300 is made.

## HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

## THICKENING MECHANISM

Non Associative  
Associative  
Self Association



## VISCOSITY CONTRIBUTION

Low Shear contribution  
High Shear contribution  
Mid Shear contribution



## PVC

PVC Low  
PVC Mid  
PVC High



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