

## TECHNICAL DATA SHEET

# RHEOTECH™ 4000 LC

Acrylic associative thickener for water-based systems

## HASE Acrylic Thickener



29% Bio Carbon Content (only for EMEA supply)  
-24% Carbon Footprint Reduction (only for EMEA supply)



Lower carbon footprint

### TYPICAL CHARACTERISTICS

Nature	Acrylic associative thickener
Appearance	Low viscous white milky liquid
Solid Content (%)	30
Active Content (%)	30
pH	3
Specific gravity	1.06
Solvent	Water
Total Bio content (%)	29

### DESCRIPTION

Rheotech™ 4000 LC is a low carbon footprint HASE thickener designed to improve both the rheology and the color acceptance of water-based formulations. Rheotech™ 4000 LC exhibits a carbon footprint reduction of more than 15% compared to standard HASE thickeners with no compromise on performance. Its outstanding effectiveness at medium shear rates allows to control very easily the perceived quality of paints during handling and to facilitate coating by roll or by bush, especially for finishing touches. Rheotech™ 4000 LC ensures safe additions of colorants in water-based formulations, limiting viscosity changes and rub-out issues. Rheotech™ 4000 LC can be used in every kind of alkaline water based formulations and particularly in solvent and Alkyl Phenol Ethoxylate (APE) free systems.

### 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

#### Coatings & Inks

- Graphic Arts
- Architectural Coating
- Industrial Coating

#### Adhesives & Sealants

- Assembly
- Other Adhesives
- Sealants

### KEY BENEFITS

#### FORMULATION

- Cost in use
- Color acceptance
- Compatibility



#### STORAGE

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



#### APPLICATION

- Gunnability
- Brushability
- Rollability



#### FILM PROPERTIES

- Rub out
- Hiding power/Opacity
- Gloss



#### 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 (%)

29

# RHEOTECH™ 4000 LC

## 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  
Self Association  
Associative



## VISCOSITY CONTRIBUTION

Mid Shear contribution  
Low Shear contribution  
High Shear contribution



## PVC

PVC Low  
PVC Mid  
PVC High

