

## TECHNICAL DATA SHEET

# RHEOTECH™ 4600

Acrylic associative thickener for water-based systems

## HASE Acrylic Thickener

### 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>2.7</b>
Specific gravity	<b>1.06</b>
Solvent	<b>Water</b>

### DESCRIPTION

Rheotech™ 4600 is an associative acrylic thickener designed to improve both the rheology and the color acceptance of water based formulations. 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 brush, especially for finishing touches. Rheotech™ 4600 can be used in every kind of alkaline water based formulation and particularly in solvent and Alkyl Phenol Ethoxylate (APE) free formulations.

### 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.

### 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.

### MARKETS

#### Coatings & Inks

- Architectural Coating
- Graphic Arts
- Industrial Coating
- Textile & Leather 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

- Brushability
- Rollability
- Sag resistance



#### FILM PROPERTIES

- Rub out
- Hiding power/Opacity
- Gloss



#### SAFER SOLUTIONS

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

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

### THICKENING MECHANISM

Non Associative  
Self Association  
Associative



# RHEOTECH™ 4600

### VISCOSITY CONTRIBUTION

Mid Shear contribution     ●●●●●●  
Low Shear contribution     ●●●●●●  
High Shear contribution    ●●●●●●

### PVC

PVC Low                     ●●●●●●  
PVC Mid                    ●●●●●●  
PVC High                   ●●●●●●

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