

TECHNICAL DATA SHEET

RHEOTECH™ 4600

Acrylic associative thickener for water-based systems

HASE Acrylic Thickener

TYPICAL CHARACTERISTICS

Nature	Aqueous dispersion of an acrylic copolymer
Appearance	Low viscous white milky liquid
Solid Content (%)	30
Active Content (%)	30
pH	3.3
Specific gravity	1.06
Solvent	Water

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 12 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

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- 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 

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

ARKEMA