

## TECHNICAL DATA SHEET

# VISCOATEX™ 46

Acrylic thickener for water-based systems

## ASE Acrylic Thickener



22% Bio Carbon Content (only for EMEA supply)  
-26% 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>32</b>
Active Content (%)	<b>32</b>
pH	<b>4</b>
Specific gravity	<b>1.06</b>
Solvent	<b>Water</b>
Total Bio content (%)	<b>22</b>

### DESCRIPTION

The use of Viscoatex™ 46 in water-based systems allows an increase in the yield value (i.e. low shear viscosity). Its use in textured coatings stops sagging and gives a good body to the coating without decreasing brushability. In paints and adhesives, Viscoatex™ 46 avoids the formation of syneresis and sagging. In pigments and extender dispersions (pigment pastes or slurries), the use of Viscoatex™ 46 avoids settling.

### RECOMMENDED ADDITION LEVEL

0.10 to 0.60% active ingredients on total formulation weight.

### STANDARD PACKAGING

Other packaging may be available upon request  
• 1000L IBC • 200L Drum

### 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

#### Adhesives & Sealants

- Assembly
- Other Adhesives
- Pressure Sensitive Adhesives
- Sealants

### KEY BENEFITS

#### FORMULATION

- Cost in use
- Easy handling
- Color acceptance



#### STORAGE

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



#### APPLICATION

- Sprayability
- Brushability
- Rollability



#### FILM PROPERTIES

- Stain resistance



#### 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 (%) **22**

# VISCOATEX™ 46

## PROCESSING INSTRUCTIONS

VISCOATEX™ 46 is a thickener to be used in neutral or alkaline pH. It is an acrylic emulsion which thickens at medium or high pH. VISCOATEX™ 46 may be introduced as a pre-neutralized solution in alkaline solution for paints, textured coatings and adhesives; it may also be introduced in its acid form into the formulation. It is important to have good stirring. In this case, dilute the product once or twice to obtain a better homogenization. To avoid a substantial decrease of the formulation pH and any risk of flocculation, it is recommended, when adding at the end of the formulation, to introduce the ammonium hydroxide before the VISCOATEX™ 46. The pH of finished product should be at least equal to 7 to ensure good stability.

## 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

Low Shear contribution  
High Shear contribution  
Mid Shear contribution



## PVC

PVC Low  
PVC Mid  
PVC High



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