

Thickener agent for water-based systems

ASE 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
Specific gravity	1.06
Solvent	Water

Description

Viscoatex™ 300 is a synthetic alkali swellable liquid, solvent free thickener for water-borne systems, effective to increase low shear viscosities as well as yield values. Its use in textured coatings stops sagging and gives a good body to the coating without decreasing brushability. In adhesives, particularly on vertical surfaces, it provides excellent resistance to movement immediately after application.

Recommended addition level

0.1-2.0% as supplied based on total formulation.

Standard Packaging

Other packaging may be available upon request

- 1000L IBC
- 200L Drum
- Bulk

Handling & Storage

It should be protected from the effects of weathering; stored between 5 and 40°C and sheltered from direct sun exposure. This product can be irreversibly altered by frost. Once opened, packaging should be resealed immediately after use. Film-forming. Surface may dry in contact with air. In these conditions, this product should be used within 6 months from delivery.

Processing instructions

VISCOATEX™ 300 is designed to be used sole or in combination with various types of thickeners: cellulosic ethers, acrylic and polyurethane thickeners. It develops its thickening efficiency once the pH of the formulation is adjusted to 8-9. VISCOATEX™ 300 enables to adjust the medium and low shear rates viscosities of water borne formulations accurately and contributes to improve the storage stability, the in-can appearance and the tool load. VISCOATEX™ 300 gives very good results when it is used in water based adhesives (e.g. tiles adhesives): it provides a well adapted rheology and ensures a quick and easy positioning of the tiles. VISCOATEX™ 300 is also recommended for the stabilization of mineral pigments concentrates (slurries): sedimentation tendency can be controlled while maintaining the apparent viscosity of the suspension lower than what can be obtained using current anti-settling agents.

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.

Adhesives & Sealants

- Assembly
- Other Adhesives
- Pressure Sensitive Adhesives
- Sealants

Coatings & Inks

- Architectural Coating
- Graphic Arts
- Industrial Coating

Key Benefits

Formulation

- Cost in use
- Easy handling
- Color acceptance

Storage

- Antisettling
- In-can appearance
- Syneresis resistance

Application

- Brushability
- Rollability
- Sag resistance

Film Properties

- Hiding power/Opacity
- Rub out
- Stain resistance

Thickening mechanism

Non Associative	●●●●○
Self Association	●●○●○
Associative	●○●○●○

Viscosity contribution

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

PVC

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