

Highly effective liquid synthetic thickener 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™ 730 is a synthetic alkali swellable, solvent free and liquid thickener for water-borne systems, highly effective to increase low shear viscosities as well as yield values. Levels of use can thus be significantly reduced by replacing usual low shear effective thickeners with Viscoatex™ 730.

Recommended addition level

It should be incorporated between 0.05 and 0.3% in heavily-filled systems and between 0.2 and 0.6% in woodstains (% of dry product on total formulation weight).

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 and 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 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 products 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.

Processing instructions

VISCOATEX™ 730 provides very high swelling, is easy to handle as sole product or in combination with a levelling agent. When used alone, VISCOATEX™ 730 allows to adjust viscosities at low shear rates, to avoid settling, sagging and to improve the storage stability of heavily filled flat paints, textured coatings, plasters and woodstains. VISCOATEX™ 730 must be used in formulations with final pH above 7 in order to achieve swelling. It is the most effective at pH between 8 and 9. pH adjustment should occur with an alkali addition, e.g. sodium or ammonium hydroxide solution. For use in flat paints with improved levelling or semi-gloss paints, VISCOATEX™ 730 should be combined with a high shear thickener. In particular, VISCOATEX™ 730 behaves optimally with COAPUR™ 3025, making this combination suitable when high flexibility of use and acute low and high shear viscosity adjustments are required.

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
- Sealants

Coatings & Inks

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

Key Benefits

Formulation

- Cost in use
- Compatibility
- Easy handling

Storage

- Antisettling
- In-can appearance
- Syneresis resistance

Application

- Brushability
- Rollability
- Sag resistance

Film Properties

- Rub out
- Stain resistance

APEO free: Yes

Bacteria resistance: Yes

Heavy metal free: Yes

Solvent-free: Yes

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 | ●●●●● |