

TECHNICAL DATA SHEET

VISCOATEX™ 100 S

Acrylic thickener in powder form

ASE Acrylic Thickener

TYPICAL CHARACTERISTICS

Nature	Acrylic copolymer
Appearance	Powder
Solid Content (%)	>96
Active Content (%)	>96
pH	3
Specific gravity	0.25

DESCRIPTION

Viscoatex™ 100 S is a powerful acrylic thickener. The high viscosity formulations made with Viscoatex™ 100 S exhibit a smooth and easy flow. Primarily designed for water-based systems, it can also be used to thicken solvent based formulations such as alcohol gels or petroleum based solvent as long as it is used in combination with a polar solvent.

RECOMMENDED ADDITION LEVEL

Trials must be made to find the proper neutralising agent, most often an amine. It will not function properly with a mineral neutralising agent such as sodium or potassium. VISCOATEX™ 100 S performances are affected by the ionic strength of the formulation and is not appropriate for salt containing formulations.

STANDARD PACKAGING

Other packaging may be available upon request

- 25 Kg Bag

HANDLING & STORAGE

VISCOATEX™ 100 S must be stored in a dry area. It is not frost sensitive, nevertheless we recommend to protect it from the effects of weathering, stored between 5 and 40°C. Once opened, packaging should be resealed immediately after use.

In these conditions, this product should be used within 12 months from delivery.

PROCESSING INSTRUCTIONS

For water suspensions we recommend to introduce VISCOATEX™ 100 S into the formulation under mixing and by small successive amounts, trying to avoid agglomerates formation. After this step, the medium must be neutralized. Full neutralisation is at pH 8 – 9. It is possible to obtain a thickening effect from pH 5 to 10 by increasing the amount of thickener.

MARKETS

Composites & Advanced Materials

- Graphic Arts

Coatings & Inks

- Architectural Coating
- Industrial Coating
- Textile & Leather Coating

Adhesives & Sealants

- Assembly
- Sealants
- Wet Glue Adhesive

KEY BENEFITS

FORMULATION

- Cost in use
- Compatibility
- Easy handling



STORAGE

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



APPLICATION

- Brushability
- Rollability
- Sag resistance



FILM PROPERTIES

- Rub out
- Stain resistance



SAFER SOLUTIONS

- APEO Free*
- Heavy Metal Free*

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

THICKENING MECHANISM

Non Associative
Self Association
Associative



VISCOATEX™ 100 S

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.

VISCOSITY CONTRIBUTION

Low Shear contribution 
Mid 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