



# VISCOATEX™ 46

Acrylic thickener  
for Water-based systems

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.

## • TYPICAL ANALYSIS

**Nature:** Anionic acrylic emulsion copolymer

**Appearance (20°C):** Milky white liquid

**Solids content (%):** 32

**pH (20°C):** 4

**Specific gravity (20°C):** 1.06

**Compatibility:** Compatible with most extenders, mineral pigments and polymer emulsions.

## • ADVANTAGES

- Ready-to-use product, with low viscosity, easy to handle
- Low level needed
- May be used either at the beginning of the formulation or in the pigment grinding or in the finished product to adjust the final viscosity
- Very high heat stability of the finished product, no viscosity variation
- Improves brushability and water retention

## • APPLICATIONS

**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.

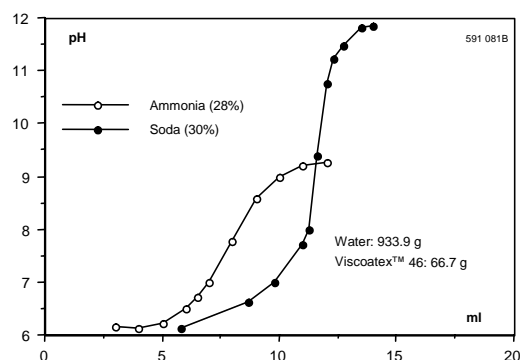
**VISCOATEX™ 46** may be introduced as a pre-neutralized solution in alkaline solution for paints, textured coatings and adhesives; it may also be introduced in its acid form into the formulation. It is important to have good stirring. In this case, dilute the product once or twice to obtain a better 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**.

To neutralize at pH = 8.5 1000 g of **VISCOATEX™ 46** at 32% requires:

- 118 g of ammonium hydroxide at 28% (d = 0.901)
  - 165 g of ammonium hydroxide at 20% (d = 0.925)
  - 215 g of sodium hydroxide at 30% (d = 1.33)
- (Cf. neutralization graph)

NEUTRALIZATION WITH SODA OR AMMONIA SOLUTION



The pH of finished product should be at least equal to 7 to ensure good stability.

The proportion of fungicides and bactericides can be reduced as **VISCOATEX™ 46** is not attacked by micro organisms.

Levels vary from 0.10 to 0.60% active ingredients on total weight of formulation.

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## • STORAGE

**VISCOATEX™ 46** 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. This product can be irreversibly altered by frost.

Once opened, packaging should be resealed immediately after use.

In these conditions, products should be used within 6 months after delivery.

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.

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## • STANDARD PACKAGING

- 220 l plastic drums,
- 1 000 l containers.
- Bulk

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## • HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.

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Tel. +33 4 72 08 20 00 Fax +33 4 72 08 20 40	Tel. +421 2 48250 870 Fax +421 2 48250 876	Tel. +1 803 377 1111 Fax +1 803 581 5995	Tel. +55 41 32 70 30 03 Fax +55 41 30 82 70 85	Tel. +82 2 3703 6850 Fax +82 2 3703 6854	Tel. +86 21 6147 6888 Fax +86 21 6147 6746

Website: [www.coatex.com](http://www.coatex.com)

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