

# Rheovis® HS 1181 AM

## General

Associative thickener suited for acrylic coatings.

Rheovis® HS 1181 AM is an associative HASE (hydrophobically modified alkali-soluble emulsion) thickener with high capability to promote hydrophobic association systems with acrylic binder and other components of water-borne systems. Especially suited for acrylic coatings.

In acrylic and styrene acrylic systems, application problems like low transference of the coating, leveling defects, orange peel and others are usual. Creating interaction by adsorption with the binder and others components of the formulation, Rheovis® HS 1181 AM fixes those problems and promotes a pseudoplastic/newtonian rheological profile.

Rheovis® HS 1181 AM promotes benefits such as:

- Storage stability
- Elevated low-shear viscosity
- Prevents syneresis
- Protection against microbiological degradation
- Improve the leveling after application

## Chemical nature

Aqueous dispersion of acrylic copolymer, with hydrophobic groups

## Properties

### Physical form

Cloudy white liquid

### storage

Rheovis® HS 1181 AM is sensitive at temperatures below 0 °C, therefore it must be stored in suitable warehouse, never under direct sunlight.

subject to appropriate storage and temperature conditions, Rheovis® HS 1181 AM is durable for at least 12 months.

### Typical properties (no supply specification)

Solids content	29 – 31 %
Viscosity brookfield RVT 1/20	5 – 50 mPa.s
pH	4,5 – 5,5
LD %	~ 90

## Application

For ensure good stability of the acrylic system thickened, it is recommended pH adjustment to 8,5 – 9,0.

Rheovis® HS 1181 AM can be added as pre-gel. By that way, it is advisable prepare the following formulation:

Water	85,0 %
Rheovis® HS 1181 AM	15,0 %

Also it can be added directly in the dispersion. In both cases the medium must be alkaline and the thickener may be added slowly, with constant agitation.

### Safety

When handling this product please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures

### Nota

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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