

# Rheovis<sup>®</sup> HS 1162

## general

rheology modifier

- outstanding extreme low-shear to thixotropic rheology modifier for aqueous coatings

## chemical nature

hydrophobic modified acrylic swellable copolymer emulsion (HASE) in water

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## Properties

### physical form

white liquid (dispersion)

### storage

Rheovis<sup>®</sup> HS 1162 should be stored in a cool dry place.

### typical properties (no supply specification)

solid content	~ 35%
density at 20°C	~ 1.067 g/cm <sup>3</sup>
Brookfield viscosity at 25°C, 20 rpm	~ 5 mPa·s
pH	~ 3.5

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## Application

Rheovis<sup>®</sup> HS 1162 is an outstanding rheology modifier for water based coatings with an extreme low-shear to thixotropic flow behavior.

The polymer provides the rheology-control effect through extensive swelling of the high-molecular-weight polymer in combination with a hydrophobic component. This leads to an excellent balance between sag-resistance and leveling which is ideal for airless spray applications or non-dripping paints and stains.

Rheovis<sup>®</sup> HS 1162 is most effective between pH 8 to 10. It offers the following benefits:

- thixotropic low-shear thickener
- excellent balance between sag and leveling
- outstanding efficiency
- for paints and stains

**recommended concentrations and incorporation**

0.3 to 1.5 % on total formulation

We recommend to determine the optimum dosage of Rheovis® HS 1162 by laboratory trials to achieve optimum performance.

Rheovis® HS 1162 can be added at any stage of the production process. Afterwards the pH should be checked again and adjusted to 8-10.

Rheovis® HS 1162 can also be mixed into polymer dispersions in the form of an alkaline solution. The solid content of the solution should not exceed 1% to allow easy handling. It is recommended to dilute the thickener with water and add alkaline whilst stirring. Check and adjust pH afterwards.

Depending on the application, it can be advisable to use Rheovis® HS 1162 in combination with other Rheovis® thickeners or cellulose derivatives in order to obtain desired rheological effects.

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**Validity**

This Technical Data Sheet is valid for all versions of the Rheovis HS 1162.

**Safety**

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

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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