

Rheovis® HS 1169

general

rheology modifier

- highly efficient, hydrophobically modified acrylic thickener (HASE)
- pronounced pseudoplastic (low-shear) flow behavior

chemical nature

aqueous dispersion of a polymer based on acrylic ester

Properties

physical form

white liquid (dispersion)

storage

Rheovis® HS 1169 should be stored in a cool dry place.

typical properties (no supply specification)

solid content (DIN EN ISO 3251)	~ 30%
pH value (ISO 976, 23°C)	~ 5
viscosity (DIN EN ISO 2555, RV, spindle 2, 100 1/s, 23°C)	~ 25 mPa·s

Application

Rheovis® HS 1169 is a highly efficient, hydrophobic modified acrylic thickener (HASE) with pronounced pseudoplastic (low-shear) flow behavior for many aqueous paint and coating systems. It is especially suited for interior paints, exterior paints, elastomeric coatings, textured finishes and wood coatings for brush and spray applications. Rheovis® HS 1169 offers performance highlights such as:

- outstanding thickening efficiency
- pronounced pseudoplastic (low-shear) flow behaviour
- increased KU-viscosity
- prolonged open time
- (partial) substitution of cellulosics
- reduced sagging
- excellent viscosity stability after tinting

recommended concentrations

0.3 - 2 % on total formulation

We recommend to determine the optimum dosage level for Rheovis® HS 1169 by laboratory trials to achieve the desired performance.

Rheovis® HS 1169 can be added at any stage of the production process. Afterwards the pH should be checked again and adjusted to 8-10.

Rheovis® HS 1169 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 ensure 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 1169 in combination with other Rheovis® thickeners or cellulose derivatives in order to obtain the desired rheological effects.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis HS 1169.

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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