

Rheovis[®] HS 1169

Product description Rheology modifier

- Key benefits**
- Highly efficient, hydrophobically modified acrylic thickener (HASE)
 - Moderate, pseudoplastic (low to mid-shear) flow behavior
 - Increased KU-viscosity
 - Elongation of open time
 - Partial substitution of cellulosecs possible
 - Reduced sagging
 - Pre-neutralized to pH ~ 5 helps to avoid a possible pH-shock upon increasing pH

Chemical nature Aqueous, acrylic polymer emulsion

Properties

Physical form White liquid (emulsion)

Technical data (not supply specification)	Solid content	ISO 3251	~ 30 %
	pH value	DIN ISO 976	~ 5.0
	Viscosity	ISO 2555	≤ 50 mPa.s

Application

Rheovis® HS 1169 is a highly efficient, hydrophobic modified acrylic thickener (HASE) with moderate pseudoplastic (low to mid-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.

Formulation guideline

0.3 - 2 % on total formulation

We recommend determining 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.

It 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 the pH afterwards.

Depending on the application, it can be advisable to use Rheovis® HS 1169 in combination with other Rheovis® thickeners or cellulose derivatives to obtain the desired rheological effects.

Storage

Keep container tightly closed and store in a cool, dry place. Protect from temperatures below 5 °C and above 40 °C. If stored at low temperatures, freezing of the product can irreversibly damage the product.

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Validity

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

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 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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