

# Rheovis<sup>®</sup> HS 1212

Product description	Rheology modifier
Key benefits	<div><div>■ Outstanding mid-shear acrylic thickener (HASE) for aqueous coatings</div><div>■ High solid content</div><div>■ Well balanced rheology curve</div><div>■ Contributes to improved flow and in-can feel</div></div>
Chemical nature	Aqueous, acrylic polymer emulsion

## Properties

Physical form	White liquid (emulsion)		
Technical data (not supply specification)	Solid content	ISO 3251, modified	~ 40 %
	Viscosity	ISO 2555, 25 °C	≤ 50 mPa.s
	pH value	DIN ISO 976, 25 °C	~ 3.0

## Application

Rheovis<sup>®</sup> HS 1212 is an outstanding rheology-control agent for water-based coatings to increase viscosity in the mid-shear range. The polymer provides the rheology-control effect through extensive swelling of the high-molecular-weight polymer in combination with a hydrophobic component in alkali, in the presence of water. This leads to superior coatings-build up and low spattering, ideal for a broad range of matt to semi-gloss interior and exterior coatings. Rheovis<sup>®</sup> HS 1212 is most effective between pH 8 to 10.

**Formulation guideline** 1.0 - 3.5 % on total formulation

We recommend determining the optimum dosage level of Rheovis® HS 1212 by laboratory trials to achieve optimum performance.

Rheovis® HS 1212 can be added at any stage of the production process. Afterwards the pH should be checked again and adjusted to 8-10.

Rheovis® HS 1212 can also be mixed into polymer dispersions in the form of an alkaline solution. The solid content of the solution should not be higher than 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 applications, it can be advisable to use Rheovis® HS 1212 in combination with other Rheovis® thickeners or cellulose derivatives to obtain the desired rheological effects.

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**Storage**

If the product is in contact with atmospheric conditions, a skin will be formed. 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 1212.

**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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