

Rheovis® AS 1337

general

rheology modifier

- effective rheology-control thickener for water-based systems
- designed to improve the Newtonian rheological properties over a broad shear rate range without exhibiting any significant thixotropic effect
- allows the formulation of high-gloss paint systems with optimal flow properties for manual application techniques

chemical nature

formulation based on an acrylic copolymer.

Properties

physical form

white liquid (emulsion)

storage

Rheovis® AS 1337 should be stored in a cool dry place.

typical properties (no supply specification)

active content	~ 30%
viscosity at 25 °C (77 °F), Brookfield, 20 rpm	~ 5 mPa·s
density at 20 °C (68 °F)	~ 1.05 g/cm ³
pH	~ 3

Application

Rheovis® AS 1337 is an effective rheology-control thickener for water-based systems designed to improve the Newtonian rheological properties over a broad shear rate range without exhibiting any significant thixotropic effect. It thus allows the formulation of high-gloss paint systems with optimal flow properties for manual application techniques.

- glossy emulsion paints for household paints
- glossy low-duty industrial paints

As a synthetically derived product, Rheovis® AS 1337 is less susceptible to microbiological attack than derivatives of cellulose. Consequently the paint formulator can substantially reduce the level of biocide leading to a broader area of application.

Rheovis® AS 1337 is most effective in the pH range of 7.5 to 10.5.

recommended concentrations

0.2 – 1.5% based on total formulation

The amount of Rheovis® AS 1337 required for optimum performance should be determined in trials covering a concentration range.

Rheovis® AS 1337 should preferably be added at the final stage of manufacturing of the formulation. The liquid form of Rheovis® AS 1337 makes this post addition comfortable. As a positive side effect, post addition offers flexibility in viscosity adjustment from batch to batch.

Provided efficient mixing equipment is available, Rheovis® AS 1337 can be poured directly into the mix. Should at any time the pH of the final system fall below 7.5, then additional alkali, ammonium or other base is necessary to reactivate the thickening mechanism. Use of volatile alkali, e.g., ammonia) as neutralizing agent improves the water resistance property of the dry film.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis AS 1337.

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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