

# Rheovis® HS 1303



## General:

Rheovis® HS 1303 is an excellent high-shear thickener and rheology control agent for aqueous coatings.

Rheovis® HS 1303 is a highly efficient, hydrophobic modified acrylic thickener (HASE) with pronounced high-shear behavior for many aqueous paint and coating systems. It is especially suited for interior paints, exterior paints and wood coatings for brush and paint roller applications. Rheovis® HS 1303 is APEO Free thickener recommended for matt, satin, and semi-gloss finishes.

O Rheovis® HS 1303 promotes an excellent balance between KU and ICI viscosity and contributes to improve leveling and hiding power of the coating.

Rheovis® HS 1303 offers performance highlights such as:

**APEO Free;**

**Improve flow;**

**High hiding power;**

**Excellent viscosity stability after tinting;**

**Outstanding spattering resistance;**

**Improve ICI and KU viscosity;**

## Chemical Nature

Hydrophobic Modified Acrylic Swellable Copolymer Emulsion (HASE) in water

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## Properties

### Physical form

White liquid (dispersion).

### Storage

Rheovis® HS 1303 is sensitive at temperatures below 0 °C, therefore it must be stored in suitable warehouse, never under direct sunlight. Subject to appropriate storage and temperature conditions, Rheovis® HS 1303 is durable for at least 12 months.

**Typical properties  
(no supply specification)**

Solid content (%)	24 – 26
Brookfield viscosity (RVT 1/20, 23°C)	Max. 50 mPa.s
pH	2,0 – 4,0

**Application**

To ensure good stability of viscosity of the acrylic paint is recommended to adjust the pH at values from 8.5 to 9.0.

Typical dosage is between 0.5 to 3.0 percent of Rheovis® HS 1303, calculated on total formulation. This provides a good balance of performance and application properties.

Rheovis® HS 1303 could be used as unique thickener. When used alone it improve the KU and ICI viscosity that's contributes to ensure a high transference and excellent leveling of the coating, reducing the spattering during the application.

Depending on applications, it can be advisable to use Rheovis® HS 1303 in combination with other Rheovis® thickeners in order to obtain the required effects.

We recommend to determine the optimum level of Rheovis® HS 1303 by laboratory trials to achieve optimum performance.

**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

**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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