

Rheovis[®] PU 1291

Product description Rheology modifier

- Key benefits**
- Non-ionic, mid-shear polyurethane thickener for aqueous coatings and adhesives
 - Low-VOC, Solvent-, Tin- and APEO-free
 - Excellent brush and roller application properties
 - Excellent wash and scrub resistance
 - Thickening is pH-independent

Chemical nature Polyurethane polymer in water / diluent

Properties

Physical form Clear to cloudy liquid

Technical data (not supply specification)	Solid content	DIN ISO 1625 (105 °C, 2h)	~ 40 %
	Viscosity	ISO 2555, Brookfield, 25 °C	~ 2,700 mPa.s
	Density	at 25°C	~ 1.04 g/cm ³

Application

Rheovis® PU 1291 is a mid-shear polyurethane thickener with multiple associative elements. Because of its chemical nature the ICI-build clearly exceeds that of benchmark solvent-containing and water-based products, even at lower dosages. Thus contributing to improved performance and efficiency (e.g. get more with less).

The product enables excellent flow, leveling and good gloss. Rheovis® PU 1291 shows improved color acceptance. Rheovis® PU 1291 is excellently suited for environmentally friendly interior and exterior latex paints as well as aqueous wood-, industrial and parquet coatings, adhesives, resin-based plasters, aqueous anticorrosion paints and printing inks.

Formulation guideline

0.3 – 2 % on total formulation

Due to its low viscosity, it is easy to handle. The product can be added at any time during the production process. Especially when pigmented high gloss coatings are manufactured it is very beneficial to add a fraction prior to the grinding step. It is recommended to stir well before use.

Storage

Keep container tightly closed and store in a cool, dry place.

Protect from temperatures below 0 °C and above 40 °C

If stored at low temperatures freezing of the product is possible. This process is reversible. Please heat product to room temperature and stir well before use.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1291.

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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