

# Rheovis<sup>®</sup> PU 1290

**Product description** Rheology modifier

**Key benefits**

- Non-ionic, mid-shear rheology modifier for aqueous coatings
- Solvent- free, VOC-free, APEO-free, Tin-free, low VOC
- Excellent flow, leveling and gloss, increased hiding power
- Improved wash and scrub resistance
- Thickening is pH-independent

**Chemical nature** Polyurethane in water/ diluent

## Properties

**Physical form** Slight yellowish clear liquid

**Technical data**

(not supply specification)

Solid Content	DIN ISO 1625 (105 °C, 2h)	~ 51 %
Viscosity	ISO 2555, Brookfield, 25 °C	~ 4,000 mPa.s
Density	at 25°C	~ 1.05 g/cm <sup>3</sup>

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## Application

Because of its chemical structure the efficiency of Rheovis® PU 1290 at high shear-rates is extremely strong. Besides excellent sag resistance the product is very effective at high shear-rates leading to benefits like excellent flow and leveling, good gloss, improvement of hiding power and a strong reduction of spattering in roller applications.

Rheovis® PU 1290 is film-forming and hence improves scrub resistance of the coating. It has excellent UV-resistance.

Rheovis® PU 1290 is well 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 and pump. 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.

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## 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 1290.

### 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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