

# Rheovis<sup>®</sup> PU 1214 EC

**Product description** Rheology modifier

- Key benefits**
- Non-ionic, mid-shear rheology modifier for aqueous systems, slightly pseudoplastic
  - Designed to improve the application and hiding properties of emulsion paints and adhesives
  - Superior hiding power in brush application and minimal roller spatter
  - Excellent flow-promoting properties
  - Wash- and scrub resistance
  - Provides very good scuff resistance

**Chemical nature** Polyurethane polymer in water/ butoxytriethylene glycol

## Properties

**Physical form** Opaque whitish liquid

<b>Technical data</b> (not supply specification)	Solid content	DIN ISO 1625, 120 °C, 2h	~ 40 %
	Viscosity	ISO 2555, Brookfield, 25 °C	~ 3,500 mPa.s
	Density	ISO 12185 at 20 °C	~ 1.07 g/cm <sup>3</sup>

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## Application

Rheovis® PU 1214 EC is recommended for all paints and coatings where balanced rheological properties are important. The main applications are interior and exterior paints which require excellent brush and roller application properties. These properties can be achieved in all kinds of polymer emulsions based on e.g. acrylic copolymers, vinyl acetate homopolymers, acrylic polymers, PVAc-VC copolymers, polyurethanes, amine neutralized and emulsified systems.

**Formulation guideline** 0.3 – 1.0 % on total formulation

Rheovis® PU 1214 EC is pH independent. Rheovis® PU 1214 EC can be combined with other thickeners such as low-molecular-weight cellulose derivatives or acrylic thickeners to improve application and storage properties. Because of its low viscosity, Rheovis® PU 1214 EC can be used as supplied. However, it can be diluted with water-soluble co-solvents (e.g. butoxydiglycol) or with water

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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.

In exceptional cases a slight separation of the product can occur over time. This does not affect the performance of the product. In this case, please homogenize before use or use full packages.

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### Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1214 EC.

### 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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