

# Rheovis<sup>®</sup> PU 1214

## general

- polyurethane-based associative thickener
- non-ionic rheology additive for aqueous systems, low shear thinning
- 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
- very good scrub and scuff resistances
- low shear thinning

## chemical nature

polyurethane polymer in water / butoxytriglycol

## Properties

### physical form

opaque whitish liquid

### storage

Rheovis<sup>®</sup> PU 1214 should be stored in tightly closed containers. The packed product is not damaged by low temperatures or by frost. If stored below 10°C precipitation or gelatinization of the product is possible. This process is reversible. Please heat product to room temperature and stir well before use.

### typical properties

solvent	water / butoxytriglycol
density (25°C)	~ 1.068 g/cm <sup>3</sup>
solid content	~ 40%
viscosity (25°C)	~ 3,500 mPa·s
pH value (2% in water)	~ 7

## Application

Rheovis<sup>®</sup> PU 1214 is recommended for all paints where excellent rheological properties are important. The main applications are interior and exterior paints which require excellent brush and roller application properties.

The rheological behavior of formulations thickened with Rheovis<sup>®</sup> PU 1214 is pH independent. Under shear stress, the reduction of viscosity is distinctly lower than with cellulosic or acrylic thickeners.

Rheovis<sup>®</sup> PU 1214 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<sup>®</sup> PU 1214 can be used as supplied. However, it can be diluted with water-soluble co-solvents (e.g. butyl diglycol) or with water.

### recommended concentrations

A dosage of 0.3 – 1.0% calculated on total formulation is recommended.

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**Validity**

This Technical Data Sheet is valid for all versions of the Rheovis PU 1214:  
Rheovis PU 1214, Rheovis PU 1214 NC.

**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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