

# Rheovis<sup>®</sup> PU 1250

## general

- polyurethane-based associative thickener
- non-ionic, medium pseudoplastic rheology modifier for water-based coatings
- thickening is pH independent
- improved flow and gloss
- increased hiding power
- wash and scrub resistances
- outstanding spatter resistance during roller application

## chemical nature

polyurethane polymer in water / butyl diglycol

## Properties

### physical form

opaque yellowish liquid

### storage

Rheovis<sup>®</sup> PU 1250 should be stored in tightly closed containers. The packed product is not damaged by low temperatures or by frost. If stored at low temperatures 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 / butyl diglycol    |
| density (25°C)         | ~ 1.065 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 1250 is suitable for thickening and modification of the flow properties of water-based polymers (e.g. acrylic polymers, vinyl acetate homopolymers, PVAc-VC copolymers, polyurethanes, amine-neutralized and emulsified systems).

Because of its low viscosity, Rheovis<sup>®</sup> PU 1250 can be used as supplied. However, it can be diluted with water-soluble co-solvents (e.g. butyl glycol or 1,2-propylene glycol).

### recommended concentrations

A dosage of 0.2 – 2.0% calculated on total formulation is recommended.

## Contacts worldwide

## Asia

BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

## Europe

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

## North America

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

## South America

BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the Rheovis PU 1250:  
Rheovis PU 1250, Rheovis PU 1250 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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