

# Rheovis<sup>®</sup> PU 1216 EC

Product description	Rheology modifier (Tin-free)
Key benefits	<div><div>■ Non-ionic medium pseudoplastic rheology modifier for water-based coatings</div><div>■ Tin-free</div><div>■ Improved hiding power, flow and gloss</div><div>■ Wash and scrub resistance</div><div>■ Outstanding spatter resistance during roller application</div></div>
Chemical nature	Polyurethane polymer in water/ 1,2-propylene glycol

## Properties

Physical form	Whitish, viscous liquid
---------------	-------------------------

Technical data (not supply specification)	Solid content	DIN ISO 1625 (105 °C, 2h)	~ 43 %
	Viscosity	ISO 2555, Brookfield, 25 °C	~ 20 Pa.s
	Density	at 20 °C	~ 1.08 g/cm <sup>3</sup>

---

## Application

Rheovis® PU 1216 EC is suitable for the thickening and modification of the flow properties of water-based polymers (e.g. acrylic copolymers, vinyl acetate homopolymers, acrylic polymers, PVAc/VAE copolymers, polyurethanes, amine-neutralized and emulsified systems) as well as for products based on polymeric binders such as emulsion paints, texture finishes, high-gloss emulsions paints, water-based putties, adhesives and corrosion primers.

**Formulation guideline** 0.2 – 2.0 % on total formulation

Undiluted Rheovis® PU 1216 EC can be incorporated into the system while stirring. Cuts in butyl glycol or 1,2-propylene glycol are possible as well. It can be combined with other kinds of thickeners such as acrylics or cellulose.

---

## 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.

### 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)

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

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@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 1216 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)