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Rheovis® PU 1250 EC

Product description

Rheology modifier

Key benefits

- Non-ionic, medium pseudoplastic rheology modifier for water-based coatings
- Mid-shear thickener to impart low-shear viscosity build with moderate contribution to high-shear viscosity in latex-based paints
- Balanced shear profile allows the use in spray formulations as a single rheology modifier
- Improved flow and gloss, increased hiding power
- Wash- and scrub resistance
- Outstanding spatter resistance during roller application

Chemical nature

Polyurethane polymer in water/ 2-(2-butoxyethoxy)ethanol

Properties

Physical form

Yellowish, white hazy liquid

Technical data
(not supply specification)

Solid content	DIN ISO 1625 (105 °C, 2h)	~ 40 %
Viscosity	ISO 2555, Brookfield, 25 °C	~ 3,500 mPa.s
Density	ISO 12185 at 20 °C	~ 1.07 g/cm^3

Application

Rheovis® PU 1250 EC is suitable for thickening and modification of the flow properties of waterborne polymers and other aqueous systems as well as for finished products like paints, coatings and putties.

Rheovis® PU 1250 EC itself is film building, shows good affinity to pigments and thickening independent of pH-value.

These properties can be achieved in all kinds of emulsions based on e.g. acrylic copolymer, vinyl acetate homopolymer, acrylic polymers, PVAc copolymers, polyurethanes, amine neutralized and emulsified systems.

Formulation guideline

0.2 – 2.0 % on total formulation

The amount required for optimum performance should be determined in trials covering a concentration range.

Non diluted Rheovis® PU 1250 EC can be incorporated into the systems while stirring it. Cuts in butyl glycol or 1,2 propylene glycol are possible as well.

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.

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

Europe
BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

North America
BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

South America
BASF S.A
Rochaverá - Crystal Tower
Av. das Naçoes Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation-additives-south-america@basf.com

Validity

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