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Rheovis® PU 1251 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
- Excellent flow, leveling and gloss, increased hiding power
- Improved wash and scrub resistance
- Outstanding spatter resistance during roller application
- Very good response to colorant addition and ease of incorporation
- Low-VOC and odor-free

Chemical nature Polyurethane polymer in water / diluent

Properties

Physical form Clear to hazy liquid

Technical data
(not supply specification)

Solid content	DIN ISO 1625 (105 °C, 2h)	~ 30 %
Viscosity	ISO 2555, Brookfield, 25 ºC	~ 3,500 mPa.s
Density	ISO 12185 at 25 °C	~ 1.04 g/cm^3

Application

Rheovis® PU 1251 EC is recommended for use in high volume solids paints in which performance quality is critical. The major attributes of Rheovis® PU 1251 EC are best utilized in exterior and interior architectural coatings in which both brush and roller application properties are crucial.

Rheovis® PU 1251 EC is typically formulated with auxiliary thickeners such as Newtonian viscosity builders, attapulgite clays, low molecular weight cellulosics or bio-gums in order to achieve optimal application, appearance and storage properties.

Formulation guideline

0.2 – 2.0 % on total formulation

The amount required for optimum performance should be determined in trials covering a concentration range. 5-20% lower use levels compared to other similar solids, solvent-containing HEUR rheology modifiers.

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.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1251 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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