

Rheovis[®] PU 1256

Product description Rheology modifier

Key benefits

- Polyurethane-based associative thickener
- Solvent-free, non-ionic, mid-shear rheology modifier for aqueous coatings
- Gives aqueous systems a pseudoplastic behavior
- 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 / diluent

Properties

Physical form Colourless to yellowish liquid

Technical data

(not supply specification)

Solid content	DIN ISO 1625 (105 °C, 2h)	~ 35 %
Viscosity	ISO 2555, Brookfield, 20 °C	~ 23 Pa.s
Density	at 20°C	~ 1.03 g/cm ³

Application

Rheovis® PU 1256 is an associative polyurethane thickener designed to modify the rheology profile of aqueous polymer emulsions. Rheovis® PU 1256 is more effective in anionic emulsion types, pure acrylics and styrene-acrylic systems than in protective colloid stabilized emulsions such as PVAc-VeoVa copolymers.

Rheovis® PU 1256 is recommended for use in architectural paints, synthetic plasters, emulsion paints, adhesives, fillers and anti-corrosive paints. It can be co-formulated with other thickeners such as cellulose derivatives and acrylic thickeners.

Formulation guideline

1 – 3 % on total formulation

Rheovis® PU 1256 may be added at any stage of paint manufacture. However, it is recommended to incorporate it while stirring – without any dilution – during to the grinding step.

It can also be added at the final stage of the paint manufacture. Rheovis® PU 1256 should then be pre-diluted with propylene glycol or butyl glycol (1:1 – 1:5) to achieve perfect incorporation into the system.

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 1256.

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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