

Rheovis[®] PU 1292

Product description	Rheology modifier
Key benefits	<div><ul style="list-style-type: none">■ Non-ionic, APEO-free, mid to high-shear polyurethane thickener with high active content■ Balanced shear profile allows the use in spray formulations as a single rheology modifier■ Excellent brush and roller application, flow and gloss and spatter resistance■ Good wash and scrub resistance</div>
Chemical nature	Polyurethane polymer in water/ 2-(2-butoxyethoxy)ethanol

Properties

Physical form	White to yellowish liquid		
Technical data	Solid content	DIN ISO 1625 (105° C, 2h)	~ 40 %
(not supply specification)	Viscosity, dynamic	ISO 2555 (Brookfield, 25 °C)	~ 3,500 mPa.s

Application

Rheovis® PU 1292 is a mid-to high shear polyurethane thickener with multiple associative elements. Because of its chemical nature the ICI-build clearly exceeds that of benchmark solvent-containing and water-based products, even at lower dosages. It is suitable for waterborne polymers like acrylic copolymers, vinyl acetate homopolymer, PVAc copolymers, polyurethanes, amine neutralized and emulsified and other aqueous systems as well as for finished products like paints, coatings and putties.

The product enables excellent flow, leveling and gloss retention. Rheovis® PU 1292 is excellently suited for automotive and industrial coatings.

Rheovis® PU 1292 itself is film building, shows good affinity to pigments and thickening independent of the pH-value.

Formulation guideline

0.2 – 2 % on total formulation

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

The product can be added at any time during the production process. Especially when pigmented high gloss coatings are manufactured, it is very beneficial to add it prior to the grinding step. It is recommended to stir well before use. If the product is too effective, is also possible to dilute the product with butyl diglycol prior to addition.

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.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1292.

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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