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Rheovis® PU 1294

Product description Rheology modifier

Key benefits

- Non-ionic, APEO-free, mid to high-shear polyurethane thickener with high active content
- Designed to improve the application properties and stability of emulsion paints
- Excellent flow-promoting properties and good spatter resistance
- Good wash and scrub resistance

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

Properties

Physical form White to yellowish liquid

Technical data
(not supply specification)

Solid content	ISO 1625 (105° C, 2h)	~ 40%
Viscosity	ISO 2555 (25 °C, Brookfield)	~ 7000 mPa.s

Application

Rheovis® PU 1294 is recommended for all applications where balanced rheological properties are important. The main applications are interior and exterior paints which require excellent brush and roller application properties. These properties can be achieved in all kinds of polymer emulsions based on e.g. acrylic copolymers, vinyl acetate homopolymers, acrylic polymers, PVAc-VAE copolymers, polyurethanes, amine neutralized and emulsified systems.

Rheovis® PU 1294 itself is film building, shows good affinity to pigments and binder surfaces 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. 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, it is also possible to dilute the product with butyl diglycol prior to addition.

Phase separation of the product can occur over time. This does not affect the performance of the product. In this case, please homogenize before usage or utilize full packages.

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 the 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 1294.

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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