

Rheovis[®] UR 1120

Product description Rheology modifier

- Key benefits**
- Highly effective rheology-control additive for use in a wide range of aqueous formulations
 - Thixotropic rheology profile, for excellent balance of leveling and sag resistance
 - APEO-free and tin-free
 - Equally efficient over a wide pH range
 - Excellent prevention of settling in pigment/ filler slurries

Chemical nature Polyurea polymer in dimethyl sulfoxide

Properties

Physical form Light yellowish liquid

Technical data (not supply specification)	Solid content	DIN EN ISO 3251	~ 45 %
	Viscosity	DIN 53019-1	~ 100 mPa.s
	Density	ISO 2811-1	~ 1.15 g/cm ³

Application

Rheovis® UR 1120 is recommended to be used in a wide range of aqueous formulations especially recommended as anti-settling agent. It is a free-flowing liquid and can be incorporated at any point in the formulation. It gives access to thixotropic rheology profiles to improve the leveling and sag balance of formulations.

Formulation guideline

0.2 - 3 % on total formulation

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

While using controlled mixing equipment to ensure homogeneous distribution, Rheovis® UR 1120 can be added directly to the formulation. It can be added at any step of the process and no pH-adjustment is required.

Storage

The product is moisture sensitive. It is recommended to store Rheovis® UR 1120 in a dry place, in tightly closed containers at temperatures above 10 °C to ensure ease of handling and pourability. Warming the product above 20 °C helps to ensure this.

A possibly slight turbid aspect has no negative impact on its thickening performance.

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Validity

This Technical Data Sheet is valid for all versions of the Rheovis® UR 1120.

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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