Technical Information

Rheovis® PU 1291

(old: DSX® 3801)

BASF
The Chemical Company

general	Non-ionic , VOC-free mid-shear rheology modifier for aqueous coatings and adhesives. Rheovis® PU 1291 is free of solvents, heavy metals and tin and does not contain alkylphenol ethoxylates.
chemical nature	polyurethane in water/liquifier

Properties

physical form	yellowish liquid
shelf life	Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years

typical properties (no supply specification)

density at 20 °C (68 °F)	~ 1.04 g/cm^3
solid content	~ 45%
brookfield viscosity at 23°C (73°F)	~ 2.700 mPa·s

Application

Rheovis® PU 1291 is an innovative mid-shear polyurethane thickener with multiple associative elements. Because of its innovative chemical nature the ICI build clearly exceeds that of benchmark solvent-containing and water-based products. Even at lower dosages. Thus contributing to improved performance and supporting sustainability (e.g. get more with less).

The new product enables excellent flow and levelling and good gloss. Rheovis® PU 1291 shows improved color acceptance.

Rheovis® PU 1291 is excellently suited for envirommentally friendly inerior and exterior latex paints as well as aqueous wood-, industrial and parquet coatings, adhesives, resin based plasters, aqueous anticorrosion paints and printing inks.

recommended concentrations

The recommended dosage ranges from 0.3-2% on total formulation. Due to its low viscosity it is easy to handle and pumpable. 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 a fraction prior to the grinding step. It is recommended to stir it well before use.

Safety
When handling these products, 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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