

# Rheovis<sup>®</sup> PU 1191

(old: DSX<sup>®</sup> 3291)



## general

Rheovis<sup>®</sup> PU 1191 is a heavy metal-, solvent- and VOC free\* solution of a polyurethane in water/diluent. Heavy metal catalysts are not part of the product's formulation.

Rheovis<sup>®</sup> PU 1191 is highly-efficient environmental friendly associative polyurethane thickener designed to achieve a high pseudoplastic viscosity compared to other PUR thickeners.

Rheovis<sup>®</sup> PU 1191 shows superior sag resistance, low viscosity drop on tinting and excellent chemical- and UV-stability. Moreover, Rheovis<sup>®</sup> PU 1191 supports film formation and pigment wetting for minimizing pigment settling. Additionally Rheovis<sup>®</sup> PU 1191 allows for an easy incorporation with low shear power (easy handling).

## chemical nature

solution of a polyurethane in water/diluent

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## Properties

### physical form

White, opaque 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)	~ 1.03 g/cm <sup>3</sup>
solids	~ 30%
brookfield viscosity at 23°C (73°F)	~ 2.700 mPa·s

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## Application

Rheovis<sup>®</sup> PU 1191 remarkably improves the stability of aqueous coatings providing similar performance to inorganic, cellulose or acrylic thickeners. In contrast to these thickeners, Rheovis<sup>®</sup> PU 1191 has no negative influence on the gloss or opacity, and also has excellent water resistance due to its non-ionic character.

Rheovis<sup>®</sup> PU 1191 provides the optimum performance in aqueous clear and high gloss top coatings, as well as anti-corrosive paints and thick layer systems.

### recommended concentrations

the typical dosage of Rheovis<sup>®</sup> PU 1191 is between 0.3 - 1%, which has to be incorporated into the paint or the mill base during stirring.

**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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