

Rheovis[®] PU 1256

(old: DSX[®] 3256)



general

non-ionic mid-shear solvent-free rheology additive for aqueous coatings

Rheovis[®] PU 1256 is an associative polyurethane thickener that gives aqueous systems a pseudoplastic behavior. The properties of the product are independent of the pH. Rheovis[®] PU 1256 used in aqueous paint formulations allows to achieve these advantages:

- improved flow
- improved gloss
- increased hiding power
- reduced splattering when paint is applied by roller
- increased resistance to washing and scrubbing
- long open time

Rheovis[®] PU 1256 is film-forming, has a good pigment-binding capacity and is outstandingly resistant to UV radiation.

chemical nature

solution of a polyurethane in water/liquefier

Properties

physical form

clear to slightly yellowish turbid liquid

shelf life

When stored under the usual appropriate storage conditions, the product can be stored for 1 year.

typical properties (no supply specification)

density at 20 °C (68 °F)	~ 1.03 g/cm ³
solids	~ 35%
Brookfield viscosity at 23 °C (73 °F)	~ 23,000 mPa . s

Application

Rheovis[®] PU 1256 is an associative polyurethane thickener designed to modify the rheology in aqueous polymer emulsions. Rheovis[®] PU 1256 is more effective in anionic emulsion types, pure acrylics and styrene-acrylic systems than in protective colloid emulsions such as VeoVa[™]¹.

Rheovis[®] PU 1256 is recommended for use in house paints, synthetic plasters, emulsion paints, adhesives, fillers and anti-corrosive paints. It can be formulated with other thickeners such as cellulose derivatives and acrylate thickener.

¹ trademark of Momentive Specialty Chemicals Inc.

recommended concentrations

The recommended dosage of Rheovis® PU 1256 is 1 – 3% on total formulation, depending on pigmentation, dispersion type, amount of binder and co-solvents used.

Rheovis® PU 1256 may be added at any stage of paint manufacture. However, it is recommended to incorporate it while stirring – without any dilution – directly to the pigment paste before the grinding stage.

It can also be added at the final stage of the paint manufacture. Rheovis® PU 1256 should then be prediluted 1:1 – 1:5 in propylene glycol or butyl glycol to achieve perfect incorporation into the system.

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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