Technical Information

Rheovis® PU 1250

(old: DSX® 1550)

BASF
The Chemical Company

general

non-ionic medium pseudoplastic rheology modifier for water-based coatings

Rheovis® PU 1250 is suitable for the thickening and modification of the flow properties of water-based polymers and other aqueous systems as well as for finished products such as coatings and putties. It is film-building and shows good affinity to pigments. Thickening is independent of the pH. Advantages are:

- improved flow and gloss
- increase in hiding power
- wash and scrub resistances
- outstanding spatter resistance during roller application

chemical nature

polyurethane emulsion in water/butyl diglycol

Properties

physical form

yellowish white hazy liquid

shelf life

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

typical properties (no supply specification)

solids content	~ 40 %
density at 20 °C (68 °F)	~ 1.06 g/cm^3
Brookfield viscosity at 25 ºC (77 °F)	~ 3,500 mPa·s

Application

Rheovis® PU 1250 is suitable for the thickening and modification of the flow properties of water-based polymers (e.g., acrylic copolymers, vinyl acetate homopolymers, acrylic polmyers, PVAc-VC copolymers, polyurethanes, amine-neutralized and emulsified systems).

recommended concentrations

The recommended dosage rate is 0.2 – 2.0 % of Rheovis® PU 1250 as supplied on total formulation, depending on the pigmentation, kind of binder, emulsifier used and co-solvent.

Undiluted Rheovis® PU 1250 can be incorporated into the system while stirring. Cuts in butyl glycol or 1,2-propylene glycol are possible as well.

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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