Technical Information

Rheovis® PE 1331

general

solvent-free, VOC-free, low-odor associative thickener

Rheovis® PE 1331 was specifically designed to give Newtonian rheology profile and excellent balance of performance properties to premium flat, eggshell, semi-gloss and gloss coatings.

- highly efficient in ICI viscosity development
- superior sag resistance
- excellent flow and leveling
- excellent scrub resistance
- excellent shelf life for consistent efficiency in performance (non-settling solution)
- zero VOC

chemical nature

polyether solution in water

Properties

physical form

clear to 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	~ 21 %
density at 20 °C (68 °F)	~ 1.03 g/cm^3
Brookfield viscosity at 23 °C (73 °F)	~ 2,300 mPa·s
pH measured at 10 %	~ 9

Application

Rheovis® PE 1331 is excellent for high-shear viscosity build for one-coat coverage while enhancing low-shear performance for superior sag resistance. Rheovis® PE 1331 imparts excellent flow and leveling due its comb polymer structure, and belongs to a family of polyether thickeners shown to have excellent exterior durability.

recommended concentrations

In paint formulations, typical use levels can vary from 10 grams to 40 grams per liter (8.5 lbs to 34.0 lbs per 100 gallons) of paint, depending on the system being thickened. Combinations of Rheovis® PE 1331 with other low/mid shear Rheovis® rheology modifiers can be used to attain the desired balance of high/low shear viscosities. Rheovis® PE 1331 is usually added to a formulation as the final ingredient. However, in cases where there is limited agitation at that stage, addition of 10 – 20 % of the total quantity of Rheovis® PE 1331 just after the grinding stage can facilitate incorporation of the thickener.

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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