Technical Information

Rheovis® PE 1320

(old: DSX® 2000)

BASF
The Chemical Company

general	Newtonian rheology modifier for aqueous coatings
	Rheovis® PE 1320 is specifically designed to improve high brush drag (ICI viscosity) in modern coatings. Used either alone or blended with any other Rheovis® associative thickeners it offers complete control of the rheological properties of a coating with the following advantages:
	• excellent application hiding • excellent flow and leveling properties • excellent resistance properties • excellent roller application and spatter resistance
chemical nature	polyether solution in water / butyldiglycol

Properties

physical form	yellowish, clear liquid	
shelf life	When stored under the usual appropriate storage conditions, the product can be stored for at least 1 year from the date of manufacture.	
typical properties (no supply specification)	solids content	~ 40%
	viscosity (dynamic) (Brookfield, 25 ºC [77 °F], sp. 3, 30 rpm)	~ 1,600 mPa·s

Application

	Rheovis® PE 1320 is recommended as the sole thickener for coating systems which contain a high hydrophobic surface area such as low-pigmented, small-particle-size, high- to semi-gloss coatings.
recommended concentrations	Typical use levels vary from 1 – 3 % of Rheovis® PE 1320 as supplied on total formulation, depending on the system.
	Rheovis® PE 1320 is usually added as the final ingredient into a formulation. However, in cases of limited agitation at this stage, adding 10 – 20 % of the total Rheovis® PE 1320 quantity just after the grinding stage can aid the incorporation of the thickener.
	A desired rheological profile can be achieved by combining Rheovis® PE 1320 with other Rheovis® associative thickeners.

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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