

EFKA® RM 1410

Product description Rheology modifier for medium-polarity solvent-base and solvent-free systems

Key benefits

- Liquid product form, offering easy handling
- Thixotropic flow behavior, combining anti-sagging with good leveling
- High thickening effectiveness with no influence on gloss and haze
- Good compatibility with a wide range of binder types

Chemical nature Solution of a modified urea in dimethylsulfoxide

Properties

Physical form Clear to slightly turbid and yellowish liquid

Technical data

(no supply specification)

Solid content		~ 52%
Viscosity	Brookfield at 25 °C (77 °F)	< 300 mPa·s
Density	at 20 °C (68 °F)	~ 1.15 g/cm ³

Application

EFKA® RM 1410 is highly suited for medium polarity, solvent-bases and solvent-free coatings where thixotropic rheology behavior and minimized influence on gloss and haze are essential.

The product is also used in ambient curing resin systems to prevent sedimentation in filled, reactive casting resin systems such as epoxy, polyurethane, acrylate and polyester resins.

Formulation guideline 0.2 – 2% on total formulation

depending on polarity and solids of the formulation as well as the technical requirements (anti-settling or anti-sagging). The amount required for optimum performance should be determined in trials covering a concentration range.

The additive should be added into system under moderate shear stirring to ensure a homogeneous and quick distribution. It is not necessary to control the temperature. The additive can be added into the grind stage as well as by post-addition to adjust the viscosity.

When used in reactive, catalyzed and cellulose nitrate containing systems the storage stability should be controlled.

Storage

The product is moisture sensitive. It is recommended to store EFKA® RM 1410 in a dry place, in tightly closed containers at temperatures above 10 °C (50 °F) to ensure ease of handling and pourability. Warming the product above 20 °C helps to ensure this. A possibly slight turbid aspect has no negative impact on its thickening performance.

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Validity

This Technical Data Sheet is valid for all versions of the EFKA® RM 1410.

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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