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Efka® RM 1920

general	rheology modifier for solvent based systems
	• particularly finely ground additive used to impart a thixotropic effect to paints, printing inks and other coatings • sagging of thick films on vertical surfaces is effectively prevented while the working- and flow properties are also generally improved • pigment settling is substantially reduced
chemical nature	hydrogenated castor oil

Properties

physical form	fine, white powder
storage	Efka® RM 1920 should be stored in a cool dry place.

typical properties (no supply specification)

hydroxyl value	~ 155 mg KOH/g
solid content	~ 99%
particle size distribution	5 - 9 µm, 99% < 32 µm, 100% < 44 µm

Application

Efka® RM 1920 can be used in most non-aqueous coatings both with and without solvents. The lower the polarity of the coating, the better is its performance.

Primers, fillers and top coats based on

- chlorinated rubber
- alkyd resins
- epoxy resins
- unsaturated polyester
- acrylates
- polyurethane
- epoxy esters
- PVC and PVC copolymers
- polyethylene chloride
- bitumen

are the main fields of application. Its use in zinc rich primers is also recommended to prevent the zinc from settling and to ensure good brushability.

recommended concentrations

optimum results are obtained if the following processing instructions are followed:

- **pre-gel:** preferably a pre-gel is prepared containing 10 - 20% Efka® RM 1920 in a solvent (e.g. xylene, toluene, other higher aromatic solvents, tetralin, white spirit, butylacetate, ethyl glycol acetate, styrene) or plasticizer (e.g. dibutyl phthalate), with or without addition of binders. The pre-gel may be prepared either warm or cold, e.g. in a dissolver. In zinc rich primers the thixotropic agent can be added in powder form since the shear forces during grinding are high enough to ensure good dispersion.
- **grinding with the pigments:** add the pre-gel to the mill base before grinding.
- **temperature limits:** Keep the grind temperature within the following limits: minimum 30°C, maximum 50 - 55°C in aliphatic and 40 °C in aromatic systems.

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Validity
This Technical Data Sheet is valid for all versions of the Efka® RM 1920.

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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