

Efka[®] RM 1920

(old: Rilanit[®] Special Micro)



general

Efka[®] RM 1920 is a particularly finely ground additive used to impart a thixotropic effect to paints, printing inks and other coatings.

the incorporation of Efka[®] RM 1920 ensures a strong thixotropic effect in non-aqueous coatings. Sagging of thick films on vertical surfaces is effectively prevented whilst the working and flow properties are also generally improved. Pigment settling is also substantially reduced.

chemical nature

hydrogenated castor oil

Properties

physical form

fine, white powder

shelf life

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years.

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 can be obtained if the following processing instructions are observed:

- 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 observe the grind temperature limits, i.e. minimum 30 °C, maximum 50 - 55 °C in aliphatic and 40 °C in aromatic systems.

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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BASF SE
Formulation Additives
67056 Ludwigshafen, Germany
www.dispersions-pigments.basf.com
formulation-additives-europe@basf.com
formulation-additives-asia@basf.com
formulation-additives-nafta@basf.com
formulation-additives-south-america@basf.com