

# Efka<sup>®</sup> 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

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## Properties

physical form

fine, white powder

storage

Efka<sup>®</sup> 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

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## Application

Efka<sup>®</sup> 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<sup>®</sup> 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**

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