

VESTANAT[®] EP*₁-MF 201

(preliminary)

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General description

VESTANAT[®] EP-MF 201 is a solvent free and ready catalysed polymethoxysilane. It is used as a crosslinker or sole binder to formulate highly scratch- and chemical resistant coatings, e. g. highly scratch resistant NISO² coatings.

² NISO = Non-isocyanate

Typical data

Property	Value	Unit	Test method
Solid content	100	% by wt.	calculated
Viscosity at 23°C	approx. 250	mPas	DIN EN ISO 3219
Colour (Hazen)	≤ 50	mg Pt/l	DIN EN ISO 6271

Properties and applications

VESTANAT[®] EP-MF 201 could be used as a sole binder or in combination with appropriate resins (e.g. acrylate resins) to formulate highly scratch resistant coatings for e.g. wood, plastic, maintenance and if applicable for car refinish applications. No isocyanate based hardener for hardening of the system is required. Solvents that are saponifiable such as e.g. esters, lead in conjunction with VESTANAT[®] EP-MF 201 to a significant reduction in storage stability. The curing of VESTANAT[®] EP-MF 201 takes place from 0°C. An accelerated drying above 40°C interferes the reactivity.

Storage

VESTANAT[®] EP-MF 201 can be stored in unopened containers for at least 6 months at ambient temperature without loss of quality in accordance with the above displayed specification. Due to the fact that the product is sensitive to moisture we advise to store VESTANAT[®] EP-MF 201 in a tightly sealed container to avoid an increased entry of water for re-use. Due to the fact that the product is sensitive to elevated temperatures we advise to store VESTANAT[®] EP-MF 201 at room temperature to avoid an increased yellowing.

Safety and Handling

The formation of methanole during curing must be taken into consideration. Provisions to protect workers have to be installed.

For further information on the safe handling of VESTANAT[®] EP-MF 201 please refer to our safety data sheet.

*1 EP = Experimental Product

This is an experimental product at the development stage. No definitive statements can therefore be made as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at its own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. The figures given should be regarded as non-binding approximate data only, and not as guide values or binding minimum values. Commercialization and continued supply of this product are not assured. Its supply may be discontinued at any time.

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