

Product information

VESTANAT[®] EP*¹ -MF 204

(PRELIMINARY)

GENERAL DESCRIPTION

VESTANAT[®] EP-MF 204 is a solvent free and ready catalyzed polymethoxysilane. It is used as a crosslinker or sole binder to formulate highly scratch- and chemical resistant coating, e. g. highly scratch resistant NISO² coatings.

*² NISO = Non-isocyanate

TYPICAL DATA

Property	Value	Unit	Test method
Non-volatile constituent	100	% by wt.	calculated
NCO-Content	≤ 0,1	% by wt.	DIN EN ISO 11909 ASTM D 2572
Colour (Hazen)	£ 100	mg Pt/l	DIn EN ISO 6271
Viscosity at 23°C	1000 - 2000	mPas	DIN EN ISO 3219

PROPERTIES AND APPLICATIONS

VESTANAT[®] EP-MF 204 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. The curing of VESTANAT[®] EP-MF 204 takes place from 0°C. An accelerated drying above 40°C interferes the reactivity of the product.

*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.

STORAGE

VESTANAT® EP-MF 204 can be stored in unopened containers for at least one year 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 204 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 204 at room temperature to avoid an increased yellowing.

SAFETY AND HANDLING

The formation of methanol 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 204 please refer to our safety data sheet.

Marl, March 15, 2023; This data sheet replaces all former issues.

VESTANAT® is a registered trademark of Evonik Industrie AG or one of its subsidiaries.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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