

## Product information

# VESTANAT<sup>®</sup> EP\*-E 222/100

(PRELIMINARY)

## GENERAL DESCRIPTION

VESTANAT<sup>®</sup> EP\*-E 222/100 is a solvent free, polyfunctional ethoxy silane. It is used as a flexible crosslinker to formulate highly scratch resistant coatings.

## TYPICAL DATA

Property	Value	Unit	Test method
Silicon content	approx. 4.7	% by wt.	calculated
Viscosity at 23 °C	approx. 140	Pa·s	DIN EN ISO 3219
Colour (Hazen)	≤ 50	mg Pt/l	DIN EN ISO 6271

## PROPERTIES AND APPLICATIONS

VESTANAT<sup>®</sup> EP-E\* 222/100 is used in combination with suitable acrylic or polyester resins to formulate highly scratch resistant clear coats for e. g. automotive (OEM/refinish), wood, plastic and maintenance applications. As sole crosslinker we recommend to blend this self-crosslinkable hardener with VESTANAT<sup>®</sup> EP\*-E 95 for better surface hardness. In order to adjust a specific reactivity profile the use of catalysts is advised. Catalyst recommendations are available on request. VESTANAT<sup>®</sup> EP\*-E 222/100 can also be used as a co-crosslinker in 2 pack PUR-coatings.

\* 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\*-E 222/100 is sensitive to moisture. It can be stored in unopened containers for at least 6 months at ambient temperature without loss of quality in accordance with the above specification. Due to the fact that the product is sensitive to elevated temperatures we advise to store VESTANAT® EP\*-E 222/100 at room temperature to avoid an increased yellowing.

## SAFETY AND HANDLING

The formation of ethanole 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\*-E 222/100 please refer to our safety data sheet.

Marl, January 7, 2019; 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.

### EVONIK OPERATIONS GMBH

Business Line Crosslinkers  
Paul-Baumann-Str. 1  
45764 Marl  
Germany

[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

For contact in your country, please visit: [www.evonik.com/crosslinkers-contact](http://www.evonik.com/crosslinkers-contact)

### EVONIK CORPORATION

Business Line Crosslinkers  
299 Jefferson Road,  
Parsippany, NJ 07054-0677  
USA

### EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers  
55, Chundong Road  
Xinzhuang Industry Park  
Shanghai, 201108  
China

