Product Information

VPS SIVO 280

Modified organofunctional silane oligomer

PRODUCT DESCRIPTION

VPS SIVO 280 is a novel multifunctional siloxane adhesion promoter with aminofunctionalities that can be used for various applications.

VPS SIVO 280 is mainly dedicated for use in adhesives & sealants to improve the adhesion of hybrid products (e.g. silylated polyurethanes, MS Polymers®) and RTV-silicones - especially to difficult to stick polymethylmethacrylate (PMMA) and metal (aluminum) substrates. In addition, VPS SIVO 280 can lead to adequate adhesive cure and it imparts both additional flexibility and hydrophobicity.

Typical Properties

Property	Unit	Value
Appearance		colorless to light yellowish
Chemical Name		Modified organofunctional silane oligomer
Density (20 °C) DIN 51757	g/cm³	1.15
Flash Point EN 22719	°C	≤95
Viscosity (20 °C) DIN 53015	mPa·s	3000

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

VPS SIVO 280 is a versatile product that provides improved product performance and quality. VPS SIVO 280 is soluble in alcohols, aliphatic and aromatic hydrocarbons, but it can undergo reactions with ketones or ester solvents. VPS SIVO 280 is considered primarily as an additive in moisture curable adhesives & sealants to eliminate the need for special primers in numerous bonding applications. Loading levels of 0,5 to 2,0 wt. % of VPS SIVO 280 as an additive - calculated on the overall formulation - are typically recommended.

BENEFITS & ADVANTAGES

VPS SIVO 280 has been developed mainly for use in:

- MS Polymer®
- Silane modified polyurethane/ polyether
- RTV-1/RTV-2 silicones
- Butyl rubber

We do not recommend to use VPS SIVO 280 in 1K-PU or 1K-EP formulations. The compatibility of other ingredients with VPS SIVO 280 should be tested in advance.

Key Benefits

VPS SIVO 280 exhibits excellent wetting on substrates and it can form weather- and moisture-resistant bonds to substrates which are partially difficult to adhere. The main benefits of VPS SIVO 280 in silylated polyurethane or MS polymer based adhesives & sealants are:

- Improved adhesion to plastics, especially to polymethylmethacrylate (PMMA)
- Improved adhesion to aluminum
- Well-Balanced mechanical properties
- Significant VOC-reduction compared to conventional amino silanes

HANDLING & PROCESSING

Before considering the use of Dynasylan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website https://www.evonik.com/en/company/businesslines/se.html or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

VPS SIVO 280 is available in 25 kg pails, 200 kg drums

SHELF LIFE

The shelf life of VPS SIVO 280 is min. 9 months from delivery.

Registration Listings	
Registry	**Status**
Australia (AIIC)	Information on Request
Canada (DSL)	Information on Request
China (IECSC)	Information on Request
EU (EINECS/ELINCS)	Yes

Registration Listings	
Registry	**Status**
EU (REACH)	Exempted
Japan (ENCS)	Information on Request
South Korea (KECL)	Information on Request
Philippines (PICCS)	Information on Request
USA (TSCA)	Yes

Disclaimer

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