

Dynasytan® SIVO 203

Proprietary Multifunctional Aminosilane System

Technical data

Properties and test methods	Value	Unit	Method
Density (20 °C)	approx. 1.03	g/cm ³	DIN 51757
Flash point	66	°C	EN 22719
Viscosity (20 °C)	approx. 5	mPa's	DIN 53015
Physical form	light straw-coloured liquid	-	-

Registrations

Dynasytan® SIVO 203

EINECS/ELINCS (EU):	Yes
AICS (Australia):	No
DSL/NDSL (Canada):	No
PICCS (Philippines):	No
TSCA (USA):	Yes
IECSC (P.R. China):	Yes
ENCS (Japan):	No
ECL (South Korea):	No

Dynasytan® SIVO 203 is a new multifunctional aminosilane adhesion promoter that can be used for a wide variety of applications.

Dynasytan® SIVO 203 is mainly dedicated for use in adhesives & sealants to improve the adhesion of hybrid products (e.g. silylated polyurethanes, MS Polymers), RTV-silicones, two-part polyurethanes and two-part epoxies to inorganic surfaces and some difficult plastic surfaces. In addition, Dynasytan® SIVO 203 can lead to fast sealant curing and high-crosslinked products and it imparts both additional flexibility and hydrophobicity.

Safety and handling

Before considering the use of Dynasytan® 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 after registration on our website www.dynasytan.com or upon request from your local representative, customer service or from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

Packaging, storage and shelf life

Dynasytan® SIVO 203 is supplied in 25 kg pails, 200 kg drums and 1.000 kg IBC's.

In originally sealed containers Dynasytan® SIVO 203 has a shelf life of 9 months from delivery.

Properties and applications

Dynasylan® SIVO 203 is a versatile product that provides improved product performance and quality. Dynasylan® SIVO 203 is soluble in alcohols, aliphatic and aromatic hydrocarbons, but it can undergo reactions with ketones or ester solvents. Dynasylan® SIVO 203 may also be used as an additive or as a primer in coatings and as a primer in adhesives and sealants applications.

When used as an additive, Dynasylan® SIVO 203 can eliminate the need for special primers in numerous bonding applications. Specific systems that demonstrate improved adhesion when Dynasylan® SIVO 203 is used include RTV silicones and hybrid silane-crosslinkable systems. Loading levels of 0,5 to 2,0 wt. % of Dynasylan® SIVO 203 as an additive - calculated on the overall formulation - are typically recommended. Dynasylan® SIVO 203 can also be utilized to treat mineral fillers. The special functionalities may result in unique functional filler properties when Dynasylan® SIVO 203 treated minerals are incorporated into polymers.

Key Benefits

Dynasylan® SIVO 203 exhibits excellent wetting on substrates and it forms weather- and moisture-resistant bonds to substrates which are typically difficult to adhere. The main benefits of Dynasylan® SIVO 203 in silylated polyurethane or MS polymer adhesives and sealants are:

- Improved adhesion to Al
- Improved adhesion to plastics such as PC and PET
- Improved in elongation and modulus
- Reduced yellowing and reduced staining of transparent end products

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