

## Dow Corning Z-6403 SILANE

Category : Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

Dow Corning® Z-6403 Silane is high purity, undiluted isobutyltriethoxy-silane. When diluted with an appropriate solvent, it can be used in the formulation of water repellent products. Upon proper application, the formulated product will penetrate and provide water repellency by chemically reacting with the cementitious substrate. Treated substrates are hydrophobic and retain their original appearance. Dow Corning Z-6403 Silane can also be used to improve the compatibility of mineral fillers or pigments in poly-olefins or to ease their dispersion in nonpolar matrices. Dow Corning Z-6403 Silane is a small molecule to allow for deep penetration into the cementitious surface. This material reacts with moisture in the air and in the substrate in the presence of an alkaline or acidic environment to produce hydroxy groups. These hydroxy groups will bond with the substrate and itself to produce a hydrophobic treatment that inhibits water absorption into the substrate. An alkaline environment, such as new concrete, will catalyze the reaction and speed the formation of the hydrophobic surface. Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-Z-6403-SILANE.php](http://www.lookpolymers.com/polymer_Dow-Corning-Z-6403-SILANE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Volatile Organic Compounds (VOC) Content	423 g/l	423 g/l	
Molecular Weight	220 g/mol	220 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	62.0 °C	144 °F	closed cup

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	clear liquid	
Hydrophobic	yes	
Purity (%)	98	
Solvent	Isopropanol, ethanol or various flash point mineral spirits	
Water Resistant	yes	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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