

Manta LB310

Alkyl functional silane

Description

Manta LB310 is high purity, undiluted isobutyltrimethoxy-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.

LB310 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 hydroxyl groups. These hydroxyl groups will bond with the substrate and itself to produce a hydrophobic treatment. An alkaline environment, such as new concrete, will catalyze the reaction and speed the formation of the hydrophobic surface.

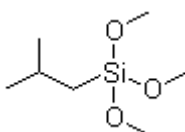
The Equivalent List

Manta	Momentive	Dow	Evonik	Wacker	Shin-Etsu
LB310			OFS-2306		

Typical Physical Properties

Manta code:	LB310
Chemical Name:	Iso-Butyltrimethoxysilane
Synonyms	
CAS No. :	18395-30-7
EINECS No. :	242-272-5
Appearance:	Colorless transparent liquid
Purity (by GC, %)	98.0 min
Specific Gravity (p20°C, g/cm ³)	0.93
Refractive Index ($n_D^{25^\circ C}$):	1.396

Chemical Structure:



Applications

LB310 can be used as a surface modifier to generate hydrophobicity (e.g. on concrete, glass, inorganic pigment, or mineral fillers) 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.

Packaging

In 20kg pail, 180kg drum and 900kg IBC

Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is 12 months. It is non-hazardous substance.

Contact Information

Nanjing Manta New Material Co., Ltd

Add: Jiangbei new district, Nanjing (210031), China.

Mob: 0086 18962800162

Mail: inquiry@mantasil.com Web: www.mantasil.com