



TBS SYSTEM DATA SHEET

TECHNICAL BARRIER SYSTEMS INC.



TEL: 905.842.9488 FAX: 905.842.1582 TOLL FREE: 1.888.537.2888
EMAIL: MAIL@TBSPRODUCTS.COM WEB: WWW.TBSPRODUCTS.COM

SEALMASTER 100%

Masonry Water Repellents

Characteristics

Sealmaster 100% is a mixture of isomeric octyltriethoxysilanes with isooctyltriethoxysilane as the main component.

Sealmaster 100% is used undiluted as a water repellent primer and impregnating agent for normal and reinforced concrete.

Features

- Greatly delays chloride and water absorption by concrete
- Reduces loss of concrete due to frost / road salt attack
- Highly resistant to alkalis
- Good depth of penetration
- Low volatility
- Alberta DOT type 1C approved
- VOC <350 g/l

After application to concrete, Sealmaster 100% reacts with atmospheric moisture or pore water in the concrete, thereby generating the active ingredient, which greatly lowers the water absorbency of the treated concrete. This will retain a very high degree of water vapor permeability since neither pores nor capillaries are clogged.

Application

Sealmaster 100% is recommended as a hydrophobic impregnating agent and primer for normal and reinforced concrete for bridges, roads and buildings.

Processing

Liberal apply two coats (wet on wet) of the Sealmaster 100% uniformly to the concrete. Two coats are needed to ensure that all of the surface is covered. Do not allow puddles to form.

Apply as usual with a low pressure airless spray, allowing the Sealmaster 100% to flood over the surface. Perhaps use a roller afterwards to distribute more evenly. The following points should be observed:

- Allow fresh concrete at least two weeks – preferably four – to set before coating it, to ensure that the cement sets properly.
- Remove coarse particles and dust from new unsoiled surfaces with a brush or compressed air. Use superheated steam to clean weathered surfaces that are heavily soiled with oil, abraded rubber, etc., prior to application.
- Only treat concrete that has a uniformly dry surface with no damp patches. Should it suddenly start to rain, stop application and cover the coated areas.

Storage

Sealmaster 100% has a shelf life of at least 12 months when stored between 0° C and 30° C in the tightly closed original container. The containers must be protected against sunlight.

Coverage Rate

For all applications, coverage is:

5.03 m²/L

198.8 ml/m²

205 ft²/gal

Product Data

Appearance	clear, colorless
Silane Content (%)	99
Molecular weight approx. (g/mol)	276
Density at 25°C approx., (g/cm ³)	0.90
Viscosity at 25°C approx., (mm ² /s)	1.90
Boiling point at 14 hPa, approx. (°C)	112
Flash point (DIN EN ISO 2719), approx.	>40
Chloride content (ppm)	<50

Safety Information

Please refer to product MSDS sheet.