



SILANOX™ IBTES

CAS Number: 17980-47-1
Chemical Formula: C₁₀H₂₄O₃Si

DESCRIPTION

SILANOX™ IBTES is a high-purity isobutyltriethoxysilane used as a hydrophobic surface treatment and coupling agent for inorganic substrates. It is designed to improve water repellency, surface protection, and compatibility between inorganic materials and organic systems. The product is commonly used for concrete impregnation, mineral filler treatment, pigments, and water-repellent formulations.

KEY FEATURES

- Excellent hydrophobic performance
- High purity and low volatility
- Improves water resistance of mineral substrates
- Enhances compatibility with organic systems
- Suitable for concrete and masonry protection
- Penetrates porous cementitious substrates effectively
- Maintains original substrate appearance after treatment

APPLICATIONS

- Concrete and masonry water repellents
- Surface treatment for mineral fillers and pigments
- Glass and inorganic substrate modification
- Construction chemicals and sealers
- Anti-corrosion concrete impregnation systems
- Silicone water-repellent formulations

TYPICAL SPECIFICATIONS

PROPERTY	SPECIFICATION
Appearance	Colorless Transparent Liquid
Purity (%)	98.0 Min
Molecular Weight	220.38
Density (p20) g/cm ³	0.8800 ± 0.0050
Refractive Index (25°C)	1.4000 ± 0.0050



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Available in 170 kg iron drums or 850 kg IBC drums.

STORAGE & HANDLING

Store in tightly sealed original containers in a cool, dry, and well-ventilated area away from direct sunlight and moisture. Protect from rain exposure during storage and transport.

SAFETY

Refer to the relevant Safety Data Sheet (SDS) before handling. Use appropriate personal protective equipment and avoid contact with eyes, skin, and moisture-sensitive environments