

SILOX-TREAT 89W, 89WH

WATERBORNE OLIGOMERIC SILOXANE/SILANE WATER REPELLENTS

DESCRIPTION:

SILOX-TREAT 89W and 89WH are self-catalytic silane-modified oligomeric organosiloxane (partially hydrolyzed silane) water repellent treatments for use on concrete, natural stone, plaster and fired clay masonry. They are reactive, VOC-Compliant, odorless waterborne formulations, supplied at 10% active solids content.

SILOX-TREAT 89W is a deeply penetrating silane/oligomeric siloxane treatment formulated with low molecular weight active ingredients .

SILOX-TREAT 89WH is a blend of silane/oligomeric siloxane with siloxane elastomer, which provides superior performance on highly porous substrates. It also produces a more pronounced water beading effect.

SILOX-TREAT 89W & WH react with mineral building surfaces under the influence of atmospheric humidity to form a tack-free polysiloxane. These treatments offer the following performance advantages:

PERFORMANCE:

PROPERTY	RESULTS
Water Repellency, Federal Specification SS-W-110c	Silox-Treat 89W: 88% Silox-Treat 89WH:92% PASS
Chloride Ion Intrusion, NCHRP 244 Series II	Silox-Treat 89W: 84% Silox-Treat 89WH:90% PASS
Water Penetration, ASTM E514	100% Reduction in Leakage
% Vapor Transmission, NCHRP 244, Series II	138.3%
VOC	< 100 g/l Meets all VOC Regulations
Accelerated Weathering, ASTM G53, 1000 hours	Non-Yellowing, Non-Chalking



PHOTO: This Historic San Francisco Cathedral was treated with Silox-Treat 89W to further stabilize the building's masonry envelope following an extensive restoration.

APPLICATION:

1. Surface Preparation:

Surfaces must be clean and free of grease, oil, dirt, stains, efflorescence and previous coatings or treatments. Remove dirt, oil and grease with **SYSTEM 21** cleaner. Remove paint or previous coatings using solvent-type paint remover or other approved methods. Residual strippers, cleaners and abrasives must be completely removed and/or neutralized prior to water repellent application.

2. Application:

Stir the contents of the container thoroughly just prior to application. Apply to dry or surface dry building surfaces using brush, roller or airless spray. Apply freely and uniformly, saturating the surface but avoiding excessive rundown. Allow several minutes for the material to be absorbed, and then apply a second, lighter pass, again saturating the surface. On highly porous surfaces, an optional second full application may be performed.

Minimum Application Temperature is 50°F (10°C).

Minimum Cure Time Before Rain Exposure:
24 Hours at 50°F (10°C)
12 Hours at 70°F (21°C)

COVERAGE RATES:

3. Protection of Surfaces from Overspray

Avoid splashing, misting or overspray onto windows, cars, painted surfaces and other hard surfaces. Applications utilizing **SILOX-TREAT 89W**, however, require **no protection of glass or other hard surfaces** if surfaces are washed within 24 hours of application. Wash spotted surfaces with clean water after sealer has dried on adjacent masonry surfaces, but within 24 hours. For limited spotting, a normal window cleaning with ammoniated cleaner and clean absorbent cloth may be sufficient.

SUBSTRATE	APPROXIMATE COVERAGE
Porous Brick, Concrete Masonry	100-125 Sq. Ft./Gal.
Stone, Unglazed Brick, Poured Concrete	125-200 Sq. Ft./Gal.
Glazed Masonry, Hard Stone, Dense Concrete	175-250 Sq.Ft./Gal.

Shrubbery and plants should always be protected from spillage and overspray. Applications of **SILOX-TREAT 89WH** may also require masking protection of all adjacent surfaces, including windows and other hard surfaces.

4. Storage & Handling:

Store at moderate temperatures in tightly closed containers. **KEEP FROM FREEZING.** Shelf life is one year from date of original factory shipment.

Avoid breathing spray mists. Avoid eye contact and prolonged skin contact. Read and observe all safety and handling guidelines as detailed in the Material Safety Data Sheet furnished with this product. Product is non-hazardous under current DOT and OSHA regulations.

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