



PRICE RESEARCH, LTD.
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PRODUCT DATA

PRICE-SEAL SILOXANE

PRODUCT NAME: PRICE-SEAL SILOXANE

MANUFACTURER: PRICE RESEARCH, LTD.
 3511 Stadium Drive
 Kansas City, MO 64129
 Phone: (816) 924-5955

PRODUCT DESCRIPTION:

PRICE-SEAL SILOXANE is a liquid penetrating sealer for concrete surfaces.

Basic Use:

PRICE-SEAL SILOXANE is a deep penetrating sealer designed to protect concrete surfaces, decks, pavements, parking structures, ramps, bridges, marine platforms, etc.. PRICE-SEAL SILOXANE protects against corrosive, adverse effects of de-icing salts (chloride screen) moisture, weathering, spalling and scaling of concrete structures.

Composition and Materials:

PRICE-SEAL SILOXANE is composed of organofunctional silane and organofunctional siloxane in suitable petroleum hydrocarbon.

Features:

- Provides excellent chloride screen ● Extremely high alkali resistance
- Dries tack-free and skid-resistance surfaces ● Long lasting protection for new, as well as old, concrete surfaces ● Spalling and sealing of concrete is eliminated

Recommended For:

- Any concrete structures ● Parking Structures ● Lane Barriers
- Bridges ● Ramps ● Marine Platforms

Limitations:

- Not suitable for asphaltic surfaces. ● Not recommended to be used at or below 40°F temperature.
- Test all surfaces for suitability (has excellent adhesion to glass surfaces).
- Keep off glass surface or clean immediately.

TECHNICAL DATA:

Type	Organofunctional siloxane and silane
Flash Point	112°F (44°C)
Shelf Life	6 months
Solvent	Mineral Spirits
Active Solids (ASTM D-2369)	15%

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<u>DATA</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Chloride Screened	NCHRP #244 Test Method (one application 125 sq.ft. / gal.)	96%
Repellency Factor	NCHRP #244 Test Method	92%
VOC Content	EPA Method-24	Less than 170 grams/liter
Water Absorption Test	ASTM C-642-82	0.370% 48 hours (OK. DOT STD.)
Scaling Resistance Test	ASTM C-672 / 84 (Non-air-entrained concrete) (100 cycle treated concrete)	0 rating "No Scaling"
Yellowing		None
Moisture Vapor Transmission Rate	ASTM E96-90	48 grams perm (Ft. ² /24 hrs. at 77°F)
Accelerated Weathering	ASTM G-53 (QUV Testing 2500 hrs.)	No less repellency
Efflorescence	NBS-883	Highly resistant
Surface Appearance After Application		Unchanged to slight darkening
Permeability	ASTM D-1653 (treated and untreated specimen)	Minimum 80% breathable
Resistance of Chloride ION Penetration —	AASH to T259 and AASH to T260 —	Less than 026.lbs./yd ³ criteria of 1-5 at ½" level 0.00 lbs./yd ³ criteria of 0.75 at 1" level
Water Permanence Test of Masonry (percentage reduction of leakage on block wall)	E-514-86	99.8% min.

DIRECTION FOR USE: TEST FIRST

Surface Preparation:

New Concrete: Surface should be well cured using water, wet burlap, polyethylene or curing paper. Surface should be free of all dust, debris, oil and tar. All joint sealants, caulk and patching should be in place before applying PRICE-SEAL SILOXANE.

Old Concrete: Remove dirt, dust, tar,, oil, etc. with pressure wash and PRICE NON-ACID MASONRY CLEANER. Membrane of any kind should be removed.

Application:

Equipment: Roller, brush or low-pressure sprayer.

Horizontal Surfaces: Flood surface using low-pressure sprayer (airless sprayer 10 Psi to 20 Psi), roller, brush or broom. Broom or squeegee Price-Seal Siloxane around for even distribution. Let the surface absorb the PRICE-SEAL SILOXANE solution and follow up immediately with a second application before the surface dries. Redistribute any puddles or free standing material.

Vertical Surfaces: Apply by sprayer, roller or brush in two applications from bottom up. Be sure to apply "wet on wet" method as described for horizontal surface. For vertical surfaces let the material run down 5 to 10 inches saturating the surface from contact point of spray. Follow up with second application before surface dries.

Coverage Rate

Exact coverage will depend upon the porosity of the surface and density.

Concrete (broom finish)	100 - 125 sq.ft. / gal.
Concrete (smooth)	125 - 175 sq.ft. / gal.
Concrete (steel trowel finish)	150 - 200 sq.ft. / gal.
Stucco	100 sq.ft. / gal.
Exposed Aggregate.	100 - 150 sq.ft. / gal.
Concrete Block	75 sq.ft. / gal.

Clean Up: Use mineral spirits or xylene to clean tools and equipment.

Precautions:

- Use in well ventilated areas only ● Do not dilute or alter the Price-Seal Siloxane
- Protect glass, metal and other non-masonry surfaces from over spray. ● Do not use at temperature below 40°F (4°C) ● Do not use over curing membrane ● PRICE-SEAL SILOXANE initial cure will be in 16 to 24 hours. Maximum cure will require up to 7 days.

LIMITED WARRANTY:

Price Research, Ltd. has no control over the storage, handling or use of this product, thus the guarantee is limited to the purchase price of the defective material only.

TECHNICAL SERVICE/AVAILABILITY AND COST:

Call Price Research, Ltd. at (816) 924-5955.