

EASTERN RESINS

SILANE 244

DESCRIPTION:

Silane 244 is a 97% solids, water repellent sealer for concrete, brick, block and other masonry surfaces. *Silane 244* will deeply penetrate the surface and provide water repellency by chemically reacting with the cementitious substrate. Unlike traditional silane water repellents, *Silane 244* performs equally well on old or new concrete and masonry surfaces. *Silane 244* is not sensitive UV and weather deterioration. Treated surfaces are hydrophobic and retain their original appearance.

TYPICAL USES:

Bridges, dams,
parking garage floors
Brick and block walls
All concrete and masonry surfaces
Resistant to: Water intrusion, Staining,
Freeze Thaw Spalling, Efflorescence

FEATURES:

Meets and exceeds the Federal (NCHRP#244) report
Reduces chloride ion penetration by over 90%
Resistant to deicing chemicals
Moisture vapor transmission not effected
Meets VOC standards for Federal projects
One coat application

PHYSICAL PROPERTIES

Color	clear/amber
Solids Content	97%
Weight per Gallon	7.4 lb./gal.
Storage	below 100°F
Flash Point	99°F
(voc) Content g/l	2.93 lb/gal. (350)
Clean Up With...	Mineral Spirits / Lacquer Thinner

Silane 244 meets or exceeds the following Federal and State test standards:

Federal test Standards #141
Federal Specifications SS-W-110C (GSA-FSS)
National Cooperative Highway Research Program Report 244 (NCHRP 244)
ASTM 672: Little or no change after 100 cycles of deicer freezing and thawing
ASTM E-514: Water Permeance of Masonry: >98.7%
ASTM E-303: Little or no friction change after sealing air entrained concrete
Oklahoma DOT Test Procedure OHDL-34-35 Depth of penetration: >.344 inch

Silane 244 may be reduced in solids concentration as specifications require. See Table below:

20% solids solution (VOC 5.2 lbs/ 623)	
Silane 244	1.00 gallon
Naphtha or Isopropyl Alcohol	3.50 gallons
10% solids solution (VOC 6.0 lbs/ 700)	
Silane 244	1.00 gallon
Naphtha or Isopropyl Alcohol	8.00 gallons

Note: Voc is increased significantly and may exceed Federal and State requirements. Use *Water Seal 20* when Federal VOC Standards are required.

SUBSTRATE PREPARATION:

All surfaces to be treated must be dry, free of cracks, dirt, efflorescence, oils, curing compounds, paint or other coatings that may effect penetration of *Silane 244*.

Repair all cracks and joints. New concrete must be allowed to cure for a minimum of 28 days before application of *Silane 244*. Surface and air temperature shall be above 45°F for application.

Mask **all** adjacent surfaces to protect from overspray. Protect and shield painted surfaces, wood, plants, shrubs, grass and all other surfaces not intended to receive treatment.

Remove any overspray immediately with mineral spirits or paint thinner.

APPLICATION:

Use a low pressure rotary or gear pump sprayer with a fan tip. For small applications, a pump up spray tank with solvent resistant hose is acceptable. Do not use airless paint sprayers for application of *Silane 244*. Apply to vertical surfaces starting at top and overlap 3-6 inches between passes. Spray should be applied to the point of saturation. For horizontal surfaces, apply by sprayer, brush or roller. Brush out all puddles as soon as possible. Coverage rates vary according to type of substrate and porosity. The table below is a guide for coverage rates. Clean up all tools and equipment with paint thinner or mineral spirits.

NOTE: *Silane 244* will react and dry clear on cementitious substrates. Normal dry time is 4 days to two weeks.

Substrate	COVERAGE RATE	
	Silane 244 sq. ft./gallon	10%-20% solids sq. ft./gallon
Light Weight Block	85-100	50 -75
Concrete Block (smooth face)	150-200	75-125
Stucco (no acrylic additive)	150-200	100-125
Stucco (with acrylic additive)	200-250	150-200
Brick (standard)	150-200	125-150
Brick (fired)	250-300	200-250
Concrete (poured)	250-300	200-300
Precast concrete panels	250-400	200-300

LIMITATIONS:

Not intended to seal cracks in cementitious surfaces
 Not suitable for application to asphalt surfaces
 Do not use below grade
 Silane 244 is not recommended over existing paint and other coatings
 A test application is required to determine substrate compatibility and finished appearance.

PRECAUTIONS:

Use only in well ventilated or open areas. Keep away from open flame or extreme heat. Avoid breathing vapors. Wear appropriate protection to avoid contact with skin and eyes. Wear organic mask and eye protection during application of *Silane 244*. Before using this product read and understand the Material Safety Data Sheet (MSDS).

WARRANTY:

***Eastern resins Corp.* warrants only that this product meets the quality and technical standards noted in its current product literature. *Eastern resins Corp.* cannot be held responsible for circumstances outside of its control including, but not limited to other materials, product handling, product storage or use of the product. *Eastern Resins Corp.* will provide sufficient product to replace any which is proven, by acceptable industry standard testing methods, to have manufacturing defects. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. This warranty is in lieu of any other warranties, expressed, implied or statutory and is strictly limited in terms.**