

SIL-ACT® Product Data

Lock-Out 100

Stain Resistant Penetrating Sealer



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

"Protecting the World's Infrastructure"

Spills Bead Up for Easy Clean Up

ABOUT OUR PRODUCT

Lock-Out 100 is specially formulated to produce a paired hydrophobic-oleophobic surface that repels waterborne and oily substances while also preventing stains and discoloration on most substrates. Lock-Out 100 creates an invisible barrier between the substrate and potential staining hazard, and has optimal penetration due to its small molecular size.

Lock-Out 100's ease of application makes it the perfect solution for protecting your concrete from the risk of permanent staining that results from various common vehicle oils and food spillage such as coffee, wines, and condiments. Spills should be cleaned immediately. However, due to the superior beading affect of Lock-Out 100, spills are contained to a single spot and the oleophobic properties resist penetration of spills if clean-up is postponed.

ADVANTAGES

- Non form filming
- No gloss or discoloration
- Water repellent
- Oil repellent
- Chloride repellent
- Excellent water beading
- Long-lasting protection
- Out performs leading hydrophobic and oleophobic products
- Breathable and vapor permeable
- VOC compliant
- Fast drying

MULTI-PURPOSE

Lock-Out 100 is designed to be used on:

- Parking garages
- Patios
- Pavers
- Warehouse floors
- Stamped concrete
- Bridge decks
- Swimming pool decks
- Driveways
- Garage floors

version 001

TECHNICAL DATA

PROPERTY	TEST	LOCK-OUT 100
Active Ingredient		Alkyltrialkoxysilane
Specific Gravity	Method 24, ASTM D-5095	0.93
Density		7.76 lb/gal
Active Content		100% active
VOC Content		< 400 g/L
Appearance		Clear
Surface Appearance after Application		Unchanged
Drying time at 70°F		< 30 min
Moisture Absorption Reduction	ASTM C-642-82	0.3% 48 hours 1.0% 50 days
Moisture Vapor Permeability	OHD L-35	100%
Depth of Penetration	OHD L-34 / NCHRP 244 Series II	0.18 in
Waterproofing after Abrasion	Alberta Transp. & Utilities (1c)	85.7%
Alkali Resistance	Alberta Transp. & Utilities (1c)	83.9%
Reduction in Water Weight Gain	NCHRP 244 Series II	83.2%
Reduction in Absorbed Chloride	NCHRP 244 Series II	86.7%
	NCHRP 244 Series IV - Southern Climate	90.4%
Vapor Transmission	Alberta Transp. & Utilities (1c)	85.4%
Chloride Penetration - Chloride Ion Content (applied at 250 ft ² /gallon/one coat)	AASHTO T 259/260	0.008% @ 1/2" depth 0.005% @ 1" depth
Chloride Penetration - % Chloride Reduction (applied at 250 ft ² /gallon/one coat)	AASHTO T 259/260	96.7% @ 1/2" depth 96.4% @ 1" depth

INSTRUCTIONS

- Test a small area prior to general application to ensure compatibility, desired results and coverage rates.
- Treatment is most effective when the surface to be treated is clean and dry. Remove dirt, dust, oil, grease, curing compounds, coatings and other surface contaminants. Water blasting, sandblasting or shotblasting may be required.
- Please refer to Advanced Chemical Technology's CleanACT™ line of concrete and masonry detergents and cleaners.
- Do not proceed unless surface and air temperature is between 20°F and 90°F. Do not apply if frost, ice, or standing water are visible on the surface to be treated.
- Windows, metals, etc. are not affected by SIL-ACT® Lock-Out 100. No masking of windows required. However avoid unnecessary overspray. If necessary, clean overspray areas with a clean dry cloth, soap and water or alcohol. Protect plants and vegetation from overspray. Prior to SIL-ACT® Lock-Out 100 installation check for pre-existing contamination.
- Spray, brush or roll SIL-ACT® Lock-Out 100 treatment on surface to be treated at the recommended application rate. Contact your Advanced Chemical Technologies representative for spray equipment options.
- Apply to saturation. When spraying at low pressure, if necessary follow with broom or squeegee for even distribution.
- Normal coverage rate is approximately 250 - 400 square feet per gallon. Always apply a test area to determine coverage rate. Coverage rates will vary greatly with the porosity of substrate.
- Clean equipment with SIL-ACT® Equipment Cleaner.
- Partially used containers should be properly sealed and protected from contamination by water or other foreign substances.

WARRANTY

Limited warranties are available for all SIL-ACT® products. Contact ACT or your local SIL-ACT® representative for details.

NOTICE: This data sheet was prepared as an introduction to a product manufactured by Advanced Chemical Technologies, Inc. The information provided herein is based upon typical installation conditions and is believed to be reliable. However, due to the wide variety of possible intervening factors, Advanced Chemical Technologies, Inc. does not warrant the expected results to be obtained. Details concerning product specifications and warranty may be obtained from Advanced Chemical Technologies, Inc. Specifications are subject to change. Sale of subject system is limited to Advanced Chemical Technologies, Inc. and authorized applicator's conditions of sale including those limiting warranties and remedies.

ADVANCED CHEMICAL TECHNOLOGIES, INC.

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Technical Binder

