

CHIMNEYSAVER SOLVENT-BASE WATER REPELLENT

PRODUCT DATA ChimneySaver® Solvent-Base Water Repellent

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DESCRIPTION

ChimneySaver Solvent-Base Water Repellent is a penetrating, water repellent which contains a proprietary modified silane/siloxane blend in a mineral spirits carrier. The modified siloxane penetrates masonry up to 1/4 inch or more depending on surface porosity and moisture content at the time of application. ChimneySaver Solvent-Base Water Repellent reacts with the minerals in masonry in the presence of ultraviolet light and atmospheric moisture. This reaction forms strong permanent bonds beneath the surface and creates a hydrophobic zone that prevents water molecules from penetrating, while allowing free migration of water vapors. The chemical bonds formed in this process allow ChimneySaver Solvent-Base Water Repellent to become an integral part of the substrate and provide long-term water repellent protection.

USES

ChimneySaver Solvent-Base Water Repellent protects most vertical and horizontal exterior, above-grade masonry surfaces including: Adobe; Architectural concrete, Precast or Cast-in-Place; Clay Brick; Mortars; Natural Stone; Limestone; Granite; Sandstone; Terra Cotta; Exposed Aggregate Products; Portland Cement Stuccos and Concrete Masonry Units.

Natural substrate color and surface textures are unaffected, with little or no gloss created. Slight darkening may occur on dense surfaces. Testing is recommended before treating any surface to ensure desired results. Surfaces treated with ChimneySaver Solvent-Base Water Repellent may be painted with a high quality oil-base paint. Testing is always necessary to ensure adhesion and compatibility.

BENEFITS

- 10 Year Warranty
- Non-Glossy
- 100% Vapor Permeable
- Efflorescence/Stain Protection
- Protection from Acid Rain and Waterborne Chemicals
- Mildew/Fungus Resistant
- Freeze-Thaw Protection

DIRECTIONS FOR USE

Surface and air temperatures should be a minimum of 40°F and a maximum of 100°F for three hours following application. This product is not suitable for use on asphalt surfaces. Do not apply to frozen or frost covered surfaces. Application must be to clean, sound, dry surfaces. Do not apply to wet or water saturated substrates and/or when rainfall is expected within 6 hours unless adequate protection with a polyethylene film, or its equivalent, is provided. Do not apply to painted or glazed brick or tiles. This product is not intended for interior use or for resistance to hydrostatic pressures

Preparation: Surfaces to which ChimneySaver is applied must be dry and free from dirt, dust, stains, efflorescence, coatings or other foreign materials which might interfere with penetration of water repellent. Repair loose or missing mortar joints and allow 72 hours to cure before application of water repellent. Repair and/or replace damaged masonry units. Allow new masonry and concrete to cure at least 28 days before applying water repellent.

APPLICATION

Vertical: Agitate before using. Test small area of surface before starting general application to assure desired results and coverage rates. Apply when surface and air temperatures are between 40°F to 100°F. Provide adequate ventilation. Apply from bottom up using a low pressure sprayer (10-25 psi) with a fan type nozzle, or by roller with a minimum 3/8" nap. Flood surface until excess runs down six to eight inches below spray or roller pattern. For maximum penetration and desired coverage rates, a wet on wet application is recommended; retreat within 3 to 5 minutes after initial application. A wet treated surface may be agitated with a soft bristle scrub brush to ensure more even distribution and greater penetration. Protect all adjacent glossy surfaces, paint films, windows, plant life, asphalt-based materials and all other non-targeted surfaces from overspray and run-down. Remove overspray from non-targeted surfaces immediately with a dry rag or solvent wipe.

Horizontal: Agitate before using. To ensure proper coverage, measure surface before treating and apply product with low pressure spray or deep nap roller. Pretest to measure material penetration rates. Apply a single flood coat using sufficient material so that the surface remains wet for a few minutes before final absorption occurs. Avoid puddling or ponding; brush or broom to spread material to more porous area. If applicable, block all drains and use absorptive coverings to contain run-off of excess material. To avoid unnecessary clean-up, use dry rag or solvent wipe to remove overspray as soon as possible.

Drying time: Two to six hours, depending on temperature and humidity.

Clean-up: Thoroughly drain spray equipment and rinse nozzles with mineral spirits.

Note: Over application of material may cause darkening of surface. Product will cause stains left on surface being treated to darken. Remove all stains before applying.

Coverage: Coverage rates will typically range from 90-150 sq. feet per gallon depending upon surface porosity. See chart at the end.

CAUTIONS

Keep out of reach of children. Contains petroleum distillates. Contains combustible liquid and vapor. May be harmful if inhaled. May cause eye and skin irritation. May be harmful if swallowed. May cause respiratory tract irritation. Keep away from heat and flame. Avoid contact with eyes, skin and clothing. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Do not transfer to unlabeled containers. For outdoor use only. Prevent build-up of vapors. Do not smoke, extinguish all flames and pilot lights and turn off stove, heaters, nonexplosion proof electrical equipment and other sources of ignition during use and until all vapors are gone. Avoid breathing of vapor or mist. Wear a NIOSH/MSHA approved respirator in accordance with OSHA Standard 29 CFR 1910, 134 (see your safety equipment supplier). Keep container closed when not in use. In case of fire, extinguish with foam, CO₂, or dry chemical, water fog or spray. In case of spillage, absorb and dispose of in accordance with local applicable regulations. Do not reuse this container.

First Aid: In case of eye contact, flush with water for 15 minutes. Call a physician. For skin, flush with water. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. For additional information, consult the Material Safety Data Sheet for this product.

LIMITED WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Since field conditions vary widely, the user must determine the suitability of the product for the particular use and specific method(s) of application. SaverSystems warrants that ChimneySaver Solvent-Base Water Repellent will exhibit a water repellent effect for ten years from the date of application if applied according to label instructions and if minimum application requirements are met. This warranty does not cover pre-existent flaking, spalling, abrading, faulty construction and/or other defects which might erode treated surfaces. If water repellent fails to perform as specified, SaverSystems will furnish, as the sole remedy, enough water repellent to correct the condition. This war-

ranty does not include labor, or the cost of labor for the re-application of water repellent. SaverSystems shall not be liable for incidental or consequential damages resulting from any breach of this warranty and fitness for use. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

PACKAGING

Available in 5 gallon recyclable plastic containers, and 30 and 55 gallon drums.

TRANSPORT AND STORAGE

Transport should be in compliance with all regulations under the Department of Transportation (DOT). For help during transportation emergencies, call CHEMTREC, 1-800-424-9300 (24 hrs.). Storage should be in compliance with all local fire codes and regulations. Under environmental protection agency (EPA) regulations, it is a hazardous material. Under the Occupational Safety and Health Administration (OSHA), it is a combustible material. Do not stack pallets. Do not apply direct heat to containers. Do not store in temperatures greater than 100°F (38°C). Can be stored in unheated, ventilated areas.

PHYSICAL PROPERTIES

COLOR	Clear
COMPOSITION	Proprietary modified siloxane
SOLVENT	Mineral Spirits
SPECIFIC GRAVITY, AT 25° C785
WEIGHT	(6.55 #/gallon)
FLASH POINT	140°F (Minimum temperature at which fuming is sufficient for ignition)
PENETRATION	1/16" - 1/4" (Depending on substrate)
VOC CONTENT (EPA METHOD 24)	723 gr/ltr(6.03 #/gallon)
SHELF LIFE	18-24 months in original sealed container
YELLOWING	None
SURFACE APPEARANCE AFTER APPLICATION	Unchanged

TECHNICAL DATA

TEST	DESCRIPTION	RESULTS
ASTM C 67-91 Section 7		(96.9%) (Water absorption reduction)
ASTM C 140-91		(90.86%)
ASTM C 97-90		(81.7%)
Federal Specification SS-W-110-C-3.5		(92%) Average absorption (Exceeds min. criteria by 41%)
OHD-L-35		(100%)(Water vapor permeable)
ASTM C 67-91 Section 10		Excellent, no efflorescence on treated specimens
ASTM G 53-88 (3000 hrs.)		No loss in water repellency
ASTM E 514-86		(100%) Reduction in leakages

COVERAGE RATES

(Sq./Ft. per coat)

Brick Wall (porous)	100 - 150
Concrete (normal)	75 - 125
Concrete Block(porous)	50 - 125
Stucco	75 - 150
Limestone/Sandstone	75 - 150