

# CHIMNEYSAVER WB WATER REPELLENT

## PRODUCT DATA

### ChimneySaver® Water-Base Water Repellent

**MANUFACTURER:** SaverSystems

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## DESCRIPTION

**ChimneySaver Water-Base Water Repellent** is a penetrating, V.O.C. compliant, water repellent which contains a proprietary modified siloxane. This water-based siloxane penetrates masonry up to 1/4 inch or more depending on surface porosity and moisture content at the time of application.

ChimneySaver Water-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 Water-Base Water Repellent to become an integral part of the substrate and provide long-term water repellent protection.

## USES

ChimneySaver Water-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.

## 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 Preparation:** Surface and air temperatures should be a minimum of 40°F. Do not use on asphalt-based material and surfaces. Do not apply to frozen or frost covered surfaces. Application must be to clean, sound, dry to slightly damp surfaces. Do not apply to wet or water saturated surfaces, or when rainfall is expected within six hours.

**Preparation:** Remove dust, dirt, grease, oils, efflorescence, wax, curing compounds, coatings or other foreign matter that might block or interfere with product penetration. Cure new masonry a minimum of 28 days, and at least 72 hours after repairs or tuck pointing before applying product. Test a small area of surface before starting general application to assure desired results and coverage rates. Provide adequate ventilation if applied indoors. Make all necessary repairs, including defects, which allow water to enter the wall assembly such as: structural cracks, faulty roofing, copings, flashings, expansion joints, mortar joints and sealants.

## APPLICATION

**Vertical:** Apply from bottom up using a low pressure sprayer (10-25 psi) with a fan type nozzle. Flood surface until excess runs down six to eight inches below spray. To assure optimum performance, a wet on wet application is recommended; apply second coat within three to five minutes. A wet treated surface may be agitated with a soft bristle brush to ensure even distribution and greater penetration. Protect adjacent paint films, windows, plant life, asphalt based material and all non-targeted surfaces from overspray. Remove overspray immediately with soap and water.

**Horizontal:** Apply a single application with low pressure spray, or pour from container so that surface remains wet for two to three minutes before final absorption. Avoid puddling or ponding; brush or broom to spread material until it thoroughly penetrates the surface. Block all drains and use absorptive coverings to contain run-off of excess material. Use soap and water to remove overspray as soon as possible.

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

**Clean-up:** Thoroughly rinse spray equipment with clean water. Clean rollers with soap and water. Rinse thoroughly.

**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 on back.

## CAUTIONS

**Keep out of reach of children.** Fire hazards are eliminated since ChimneySaver Water-Base Water Repellent is water-based and does not contain combustible or flammable, volatile organic solvents. Eye and skin irritations are greatly reduced. There is less risk to surrounding vegetation during application, and overspray on non-targeted areas can be easily removed with soap and water.

Respiratory protection is not generally required during normal use and handling. Avoid breathing mists; the need for respiratory protection should be evaluated if material is sprayed in heated or poorly ventilated areas. The use of protective gloves and chemical splash goggles is recommended. Wash thoroughly after handling.

**Caution:** Accumulation of product on ladders, scaffolding, etc. may result in a slippery surface.

**First Aid:** If swallowed, drink milk or water; do not induce vomiting. Call physician immediately. For skin contact, wash thoroughly with soap and water; if irritation persists, get medical attention. For eye contact, flush immediately with water, then remove any contact lenses. Continue to flush eyes with water for at least fifteen minutes. For additional information for this product, consult the Material Safety Data Sheet.

## 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 Water-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 warranty 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, 30, and 55 gallon recyclable plastic containers.

## TRANSPORT AND STORAGE

ChimneySaver Water-Base Water Repellent is not considered hazardous under Department of Transportation (DOT) regulations. Do not stack pallets. **Keep from freezing.**

## MAINTENANCE

Remove all contaminants which might stain or abrade treated surfaces as quickly as possible to minimize staining or abrasion. Occasional cleaning with mild detergent and water will generally restore treated surfaces to original appearance.

## PHYSICAL PROPERTIES

<b>COLOR</b> .....	Milky White
<b>SOLVENT</b> .....	Water
<b>SPECIFIC GRAVITY, AT 25° C</b> .....	1.00
<b>WEIGHT</b> .....	(8.34 #/gallon)
<b>PENETRATION</b> .....	1/16" - 1/4" (Depending on substrate)
<b>VOC CONTENT (EPA METHOD 24)</b> .....	50.6 gr/ltr.(422 #/gallon)
<b>SHelf LIFE</b> .....	18-24 months in original sealed container
<b>YELLOWING</b> .....	None
<b>SURFACE APPEARANCE AFTER APPLICATION</b> .....	Unchanged

## TECHNICAL DATA

TEST	DESCRIPTION	RESULTS
ASTM C 67-91 Section 7		(96.9%) (Water absorption reduction)
ASTM C 140-91		(91.29%)
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		(99.9%) Reduction in leakages

## COVERAGE RATES

### (Sq./Ft. per coat)

Brick Wall (porous)	100 - 150
Brick Wall (dense)	150 - 200
Concrete (normal)	75 - 125
Concrete Block(porous)	50 - 125
Stucco	75 - 150
Limestone/Sandstone	75 - 150