

# DEFY MASONRYSAVER 40-S

## PRODUCT DATA

### DEFY MasonrySaver 40-S

MANUFACTURER: SaverSystems

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## DESCRIPTION

DEFY MasonrySaver 40-S Water Repellent is a penetrating water repellent which contains 40% solids proprietary silane in an alcohol carrier. The silane penetrates most masonry and concrete pores and capillaries up to 1/4 inch or more depending on surface porosity and moisture content at the time of application.

DEFY MasonrySaver 40-S Water Repellent reacts with the silica in concrete and 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 the product to become an integral part of the substrate and provide long-term water repellent protection.

## USES

DEFY MasonrySaver 40-S can be used on vertical above-grade concrete—precast or cast-in-place, clay brick, mortars, and natural stone. Natural substrate color and surface textures are unaffected, with little or no gloss created, however, overapplication can cause substrate darkening. Testing is recommended before treating any surface to ensure desired results.

**NOTE:** DEFY MasonrySaver 40-S is formulated for use on vertical above-grade surfaces only. Product will not seal visible cracks and should not be used as a substitute for repointing damaged mortar joints. A water repellent may not be able to completely resist wind-driven rain on all surfaces.

## BENEFITS

- 100% Water Vapor Permeable
- Stain/Efflorescence Protection
- Protects from Acid Rain/
- Mildew/Fungus Resistant
- Freeze/Thaw Protection
- Seven Year Warranty

## DIRECTIONS FOR USE

**Weather Conditions:** Do not proceed with an application of water repellent when rain and/or temperatures below 45°F are predicted within 4 hours after application, when substrate is frozen, or when surface temperature is less than 45°F or higher than 100°F. Since the product's volatility increases with temperature, therefore more DEFY MasonrySaver 40-S material will evaporate from the treated substrate before curing when temperatures exceed 80°F (27°C). Do not proceed

with application unless surface is thoroughly dry.

### Surface

**Preparation:** Any surface to receive an application should be clean and dry. Absorbed moisture should not be present. New concrete should be cured for a period of not less than 28 days (masonry-14 days). If necessary, the surface should be thoroughly cleaned to remove dust, dirt, oil, wax, curing compounds, efflorescence, coatings and other foreign materials. The surface may need to be washed to remove the above mentioned foreign materials in order to expose a clean and sound

surface. (If wash method is used, allow 3 days drying time). Chemicals or other cleaning compounds used to facilitate the removal of these foreign materials must be thoroughly removed before applying the water repellent.

## APPLICATION METHODS

Apply with an airless sprayer or with low pressure spray equipment. Apply two flood coats, wet on wet, saturating the surface until solution runs. Vertical surfaces should be treated from the bottom up. Proper quantities are being applied when the excess solution runs six to eight inches below the spray pattern before penetrating the surface which has just been sprayed. Coverage will vary with absorbency of surface textures. Agitate occasionally. Over-application can cause substrate to darken. When transferring MasonrySaver 40-S from container to container, safe grounding procedures should be adhered to.

## APPLICATION PRECAUTIONS

Clean overspray or spillage immediately before evaporation of the solvent, with a dry cloth. Contact with glass or metal will not harm these surfaces. Overspray of DEFY MasonrySaver 40-S should evaporate from these surfaces or can be easily removed during normal window washing procedures. Protect materials which can be damaged such as: glazing, plastic, lexan, shrubs, plant life, asphaltic materials, membrane roofing, bare or primed metal surfaces to be painted, other non-masonry, dense and non-porous surfaces. Certain types of stucco, architectural concrete, and stabilized adobe may "bleed" in the presence of solvents, which could result in discoloration. Test for compatibility in an inconspicuous area before treating any surface.

**COVERAGE:** Most surfaces: one coat yields a range of 50-200 sq. ft. per gallon, depending on porosity of substrate.

**CLEAN-UP:** Thoroughly drain spray equipment and rinse nozzles with mineral spirits.

## CAUTION

**WARNING! Flammable liquid and vapors. Vapors may cause flash fire. CONTAINS ALCOHOL.** 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. Keep away from children. BEFORE USING: Read entire label. For outdoor use only. Prevent build up of vapors. Do not smoke, extinguish all flames and pilot lights and turn off stove, heaters, non-explosion proof electrical equipment and other sources of ignition during use and until all vapors are gone. Avoid breathing of vapor or spray 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, CO<sub>2</sub>, 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.

## 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 DEFY MasonrySaver 40-S will exhibit a water repellent effect for seven 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 gallon plastic containers as well as 30 and 55 gallon recyclable steel containers.

## 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 hours). 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 more than 2 high. 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.

## 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

COLOR	..... Clear
COMPOSITION	..... Silane
SOLVENT	..... Alcohol
SPECIFIC GRAVITY, AT 25° C	..... (.839)
DENSITY	..... (.700 #/gallon)
FLASH POINT	..... 53° F (Minimum temperature at which fuming is sufficient for ignition.)
PENETRATION	..... 1/16" - 1/4" (approximately—depending on substrate)
VOC CONTENT (EPA METHOD 24)	..... .532 gr/ltr (4.43 #/gallon)
SHELF LIFE	..... 18 months in original sealed container
YELLOWING	..... None
SURFACE APPEARANCE AFTER APPLICATION	..... Unchanged to slight darkening

## COVERAGE RATES

(Sq./Ft. per coat)

Brick Wall (porous)	..... 100 - 150
Brick Wall (dense)	..... 150 - 200
Concrete (normal)	..... 75 - 125
Concrete (porous)	..... 50 - 125
Slick Trowel Finish	..... 100 - 200
Stucco	..... 100 - 125
Granite Polished	..... 300 - 400