

Water Shield S.B.

Water Repellent

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USE:

ICT Water Shield S.B. can be used on most horizontal or vertical exterior above grade masonry including: Adobe, Architectural concrete, Clay Brick; Natural Stone; Limestone; Granite; Sandstone and most other cementitious surfaces. Natural substrate color and surface textures are unaffected, over application can cause substrate darkening. Slight darkening can occur on some Adobe, limestone or very dense surfaces. Testing is recommended before treating any surface to ensure desired results.

DESCRIPTION:

ICT Water Shield S.B. is a solvent based water repellent which contains a proprietary combination of silane and siloxane in a special blend of organic solvents. The active ingredients penetrate the pores and capillaries in stone and concrete up to ¼ inch or more depending on the porosity and moisture content at the time of application. *ICT Water Shield S.B.* reacts with the silica in the substrate, in the presence of UV light and atmospheric moisture. This reaction forms strong and permanent bonds beneath the surface of the substrate. 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. Water molecules are prevented from penetrating into the substrate but water vapors are free to migrate to the surface and evaporate.

FEATURES & BENEFITS:

- ◆ UV STABLE
- ◆ WATER VAPOR PERMABLE
- ◆ MINIMAL CHANGE IN APPEARANCE OF SUBSTRATE
- ◆ EXCELLENT ABSORBANCY DUE TO SMALL MOLECULAR STRUCTURE
- ◆ PREVENTS CHLORINE ION INTRUSION
- ◆ STAIN/EFFLORESCENCE RESISTANT
- ◆ SALT GENERATOR

SURFACE PREPARATION:

Remove dust, dirt, grease, oils, efflorescence, wax or any other foreign matter that might block or interfere with product penetration. Chemicals or other cleaning compounds used to facilitate the removal of the before mentioned foreign materials must be thoroughly removed before applying the water repellent. Allow mortar to dry at least 3 days before application. Test a small area of surface before starting general application to assure desired results and coverage rates.

(cont'd on reverse)

CHARACTERISTICS AND TECHNICAL DATA

| <u>Liquid Properties</u> | <u>Test Results</u> |
|------------------------------|---------------------|
| Weight/Gallon | 6.72 lb/gal |
| % Solid | 11% |
| Coverage (Estimated/Average) | |
| Concrete Block | 50-25 sq. ft. |
| Fired Clay/Brick | 100-175 sq. ft. |
| Concrete | 125-175 sq. ft. |
| Granite* | 150-200 sq. ft. |
| Marble* | 100-175 sq. ft. |
| Sandstone | 125-175 sq. ft. |
| Slate | 200-300 sq. ft. |
| Clean Up | Mineral Spirits |
| Cured | 24 hours |
| Shelf Life | 12 months |
| V.O.C. | 600 g/ liter |
| Liters/gallon | 3.785 |

* not recommended for **Polished** marble or granite.

ICT Corporation

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APPLICATION:

Airless sprayer, low pressure spray equipment (pump up sprayer) or a brush. When applied with a brush, repeated applications should be made until the surface remains moist for 30-60 seconds depending on the porosity of the substrate. When applying with an airless or low pressure sprayer, application should continue until the substrate is thoroughly saturated. 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 that has just been sprayed. For dense surfaces, use just enough to wet the surface without creating drips, puddles, or rundown. Wipe off excess material.

Application precautions: Typical areas that need protection from overspray are: painted finishes, metal, glass and other dense surfaces which may accumulate non absorbed residue and leave a light haze or spots which are difficult to remove if allowed to dry. Clean overspray or spillage immediately before evaporation of the solvent with a clean dry cloth. 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.

Limitations: Do not proceed with an application of water repellent when rain and or temperatures below 40°F are predicted within 4 hours after application, when substrate is frozen, or when surface temperature is less than 40° F or higher than 100° F. Do not proceed with application unless surface is thoroughly dry.

COVERAGE:

Coverage will vary with absorbency of surface textures. Sprayers should be fitted with solvent resistant hoses and gaskets. Over application can cause substrate to darken.

CLEAN UP:

Mineral spirits. Remove overspray and spills as soon as possible.

STORAGE:

Store in cool dry place away from ignition sources. Keep tightly sealed when not dispensing. Published shelf life assumes air tight storage of factory sealed containers in dry place.

PRECAUTIONS:

Contains Petroleum Distillates. Contains combustible liquid and vapor. May be harmful if inhaled. May be harmful if swallowed. May cause respiratory tract irritation.. Keep away from heat or 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 of spray mist Wear a NIOSH/MSHA approved respirator in accordance with OSHA Standard 29CFR 1919, 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 re use this container.

PACKAGING:

1 and 5 gallon containers.



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