



At the Lab. In the Field.
By Your Side.

HYDROSTOP™ WB

WATER REPELLENT SEALER, WATER-BASED



SEALERS

Product Code: K-773
January 2004

QUESTIONS: 1-800-267-8280 or www.kryton.com

DESCRIPTION

HYDROSTOP™ WB is a water-based state of the art water-repellent sealer specifically designed for concrete, brick and masonry. Hydrostop WB™ works better and lasts much longer than conventional sealers because it contains a unique blend of silane and siloxane compounds which chemically react with silicates below the surface of the substrate. This reaction forms an insoluble, water-repellent barrier within the surface that cannot wear away, fade, yellow, crack or peel. The finished application is virtually invisible, leaving the surface with its original appearance and breathability.

FEATURES

- Long service life translates into low overall cost
- Easy to apply
- Fast drying and low odor
- Excellent penetration
- Breathable - excellent vapour transmission
- No change of surface gloss
- No darkening or only very slight darkening of original surface color
- Contains no organic solvents
- Low VOC (Volatile Organic Compound), and meets the regulations of the United States Environmental Protection Agency (EPA) for VOC compliance.

BENEFITS

- Excellent water repellency
- Water-based, eliminates the safety concerns related to flammability, fumes and toxicity
- Can be used for outdoor or indoor and enclosed applications with minimal odor
- Excellent moisture vapor transmission (breathability) means Hydrostop WB will not contribute to condensation problems. i.e. Wall will dry out while stopping subsequent water penetration.
- Works as a chloride screen to protect against salt attack from de-icing salts, sea water, etc.
- Helps to protect reinforcing steel from corrosion
- Resists acid rain and other chemicals
- Helps to prevent freeze / thaw damage
- Resists mildew and moss formation
- Resists rust stains and efflorescence
- Easy clean-up with water

RECOMMENDED USES

- Bridge decks and supports
- Parking structures
- Concrete, block or brick walls and chimneys
- Driveways, including exposed aggregate
- Sidewalks, patios, balconies, steps
- Concrete pavers and retaining walls
- Marine floats and docks
- Stucco walls
- Concrete roof tiles and unglazed floor tiles
- Asbestos cement
- Use to treat any masonry surface made from concrete, brick, mortar, grout, tile, terra-cotta, plaster, stone, and limestone.

TECHNICAL DATA

Milky White Color	Dries Clear
Fed Spec SS-W-110 C	
% Water Absorption	0.3%
NCHRP 244, Series II, Water Absorption Reduction	72%
ASTM E514 Water Penetration under 'Wind Driven Rain' Conditions	89% Reduction in Leakage
NCHRP 244, Series II, Reduction in Chloride Intrusion	76%
NCHRP 244, Series IV, Accelerated Weathering Reduction in Soluble Chloride	90%
VOC	199 g/L
Application Rate	100-300 ft ² /Gal
Storage Stability	1 Year

PACKAGING

- 5 US gallons
- 55 US gallons

TECHNICAL DATA

The Kryton Group of Companies.

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APPLICATION

All surfaces to be treated must be clean and free from dirt, oil, loose paint, moss, mildew, laitance, efflorescence, form oils, and any other contaminate that may interfere with the penetration or reaction of the Hydrostop WB.

Surface temperatures must be above 4C and remain above 4C for a minimum of 24 hours. Use as supplied. Do not dilute with water or any other solvents. Always apply a test patch in an inconspicuous area and confirm the results are acceptable for continuing. Use this test patch to determine adequate coverage levels. Protect greenery from over spray.

Hydrostop WB is best applied with a low pressure sprayer. A common garden sprayer is adequate for most jobs. Airless spray equipment is more efficient for larger projects. Can also be applied by mop, flooding and squeegee, broom, brush or roller. Apply two coats at the recommended rates of coverage (see below). Do not allow product to pool on the substrate surface.

IMPORTANT - treated surfaces will begin to develop water repellency soon after the initial application of Hydrostop WB has dried. Since Hydrostop WB is water-based it is necessary to apply the second coat immediately after the first coat is dry, so that the second coat will not be repelled by the first. This may mean that large projects will need to be completed in sections for best results.

COVERAGE

Hydrostop WB should be applied in two coats. Apply the first coat at 150 square feet per gallon. Apply the second coat at 300 square feet per gallon. Total product usage will require one gallon for every 100 square feet.

LIMITATIONS

- Not effective on non-silica substrates such as wood, vinyl, asphalt, metals and painted or sealed surfaces.
- Maximum water resistance will be attained once the chemical reaction is complete, typically 4-7 days.
- Limited repellency to oil.
- Not recommended for constant immersion.
- Overcoating with water-based paints or sealers is not recommended.

PRECAUTIONS

- Do not store in direct sunlight or in temperatures above 30°C
- Do not store at temperatures below 4°C
- Spot test where appearance change is a concern
- See the Material Safety Data Sheet (MSDS) for this product.

WARRANTY

Kryton International Inc. warrants that its products are free from manufacturers defects and, when applied in accordance with the current specification and application instructions will perform as so stated in its product literature. Because methods and conditions of use are beyond the control of Kryton, no guarantee, expressed or implied can be given as to the results of application. Liability of Kryton shall be limited to replacement of materials proved defective or, at its option, refund of the purchase price of the product.

TECHNICAL SUPPORT

Kryton is pleased to offer free technical assistance for this and all other Kryton Products. Call (604) 324-8280 during business hours (PST), or visit our website at www.kryton.com.