

# TECHNICAL DATA SHEET

## Concrete & Mortar Sealer (Above Grade)



# Hydrostop™ Sealer

(Water-Based Water-Repellent Sealer)

Product Code: K-773

## DESCRIPTION

Hydrostop Sealer is a clear, water-based sprayable liquid which activates a water-repellent effect on the surfaces of concrete, brick, mortar and masonry. Hydrostop Sealer works better and lasts 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. Use Hydrostop Sealer over Hydrostop Coating as a part of the Hydrostop Restore & Protect System™ to increase value and performance of that system.

## FEATURES

- Long service life translates into low overall cost
- Easy to apply
- Waterborne
- Fast drying and low odor
- Excellent penetration
- Breathable - excellent vapor transmission
- No change of surface gloss or appearance
- No darkening or only very slight darkening of original surface color
- Low VOCs (Volatile Organic Compounds)

## KEY BENEFITS

- Outlasts other water sealers by 5 to 1
- Excellent water-repellency
- Excellent moisture vapor transmission
- 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 to clean-up with water

# TECHNICAL DATA SHEET

## Concrete & Mortar Sealer (Above Grade)

2 of 3



### 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
- Concrete roof tiles and unglazed floor tiles
- Use to treat any masonry surface made from concrete, brick, mortar, grout, tile, terra-cotta, plaster, stone, and limestone
- Use with the Hydrostop Restore & Protect System to extend the lifespan of aging concrete infrastructure

### PHYSICAL PROPERTIES

Appearance	Milky white liquid, dries clear
Density g/cm <sup>3</sup> (lb. /cu. in.)	1 (0.036)
pH	8
VOC	< 20 g/L (including water, California and OTC States), EU (w/w) < 2%

### TESTING

Water Absorption (Fed Spec SS-W-110-C)	0.3%
Water Absorption Reduction (NCHRP 244, Series II)	72%
Water Penetration Reduction Under 'Wind Driven Rain' (ASTM E514)	89%
Chloride Intrusion Reduction (NCHRP 244, Series II)	76%
Accelerated Weathering Reduction in Soluble Chloride (NCHRP 244, Series IV)	90%

### APPLICATION

**For protecting existing concrete and masonry, refer to Application Instruction 7.11 — Sealing Above Grade Concrete & Masonry. For use as part of the Hydrostop Restore & Protect System, read and distribute Application Instruction 8.11 — Restoring Above Grade Concrete before using this product.** Hydrostop is best applied with a low pressure sprayer while the surface temperature is above 4 °C (40 °F) and must remain above 4 °C (40 °F) for a minimum of 24 hours. Apply at the recommended rates of coverage

- 7.4 m<sup>2</sup>/L (300 sq. ft./gal.) dense concrete
- 5.9 m<sup>2</sup>/L (240 sq. ft./gal.) normal concrete
- 5.0 m<sup>2</sup>/L (200 sq. ft./gal.) concrete block
- 3.7 m<sup>2</sup>/L (150 sq. ft./gal.) split faced concrete
- 2.5 m<sup>2</sup>/L (100 sq. ft./gal.) red brick

Apply 1 coat as part of the Hydrostop Restore & Protect System:

- 7.5 m<sup>2</sup>/L (300 sq. ft. /gal.)

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V. 2015-09

# TECHNICAL DATA SHEET

## Concrete & Mortar Sealer (Above Grade)

3 of 3



### 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

### SAFETY

Read the Material Safety Data Sheet (MSDS) for this product. For professional use only. This product may irritate eyes, skin and the respiratory tract. Avoid contact with skin or eyes. Avoid breathing mist. Wear long sleeves, safety goggles and impervious gloves.

### PACKAGING

- 18.9 L (5 US gal.) pails
- 208 L (55 US gal.) drums

### SHELF LIFE

Hydrostop Sealer has a minimum shelf life of 12 months in its original, unopened containers. Do not store Hydrostop Sealer at temperatures below 4 °C (40°F).

### WARRANTY

Kryton International Inc. (Kryton) warrants that Kryton products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of Kryton, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at Kryton's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF KRYTON. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. KRYTON SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of Kryton has the authority to make any representations or provision except as stated herein. Kryton reserves the right to change the properties of its products without notice.