

# CHEMSTOP® WB REGULAR/HEAVY DUTY

WATER BASED, SILANE/SILOXANE PENETRATING WATER REPELLENT

## DESCRIPTION

**CHEMSTOP WB** is a water based, ready to use, siloxane/silane water repellent. CHEMSTOP WB Regular is formulated for use on dense surfaces, such as pre-cast or poured-in-place concrete. CHEMSTOP WB Heavy Duty is used on porous surfaces such as light weight concrete, concrete block and mortar joints.

## PRIMARY APPLICATIONS

Horizontal and vertical surfaces such as:

- Concrete
- Concrete block
- Lightweight concrete
- Brick
- Mortar joints

## FEATURES/BENEFITS

- Makes concrete/masonry repellant to water and salts
- Colorless & odorless
- Non-staining, non-yellowing, breathable
- Reduce efflorescence and spalling
- Will not alter texture or appearance of treated surface
- ▲ Can contribute to LEED points

## TECHNICAL INFORMATION

Material Properties\* @ 75° F, 50% RH

	Regular	Heavy Duty
Weight/gal	8.35 lbs	8.40 lbs
Viscosity	50 cps	50 cps
Depth of penetration (substrate dependent)	3/8"	3/8"
Reduction in water leakage ASTM E 514-90		
Brick	—	100%
Mortar Block	—	>91%
Reduction in water absorption, SSW110	90.5%	92.3%
Flash point	>200 °F (93°C)	>200 °F (93°C)
Accelerated weathering		
1500 hours	no change	no change
Abrasion resistance	excellent	excellent
Dirt pick-up	none	none
VOC content	< 25 g/L	< 50 g/L

\* Values presented are typical and are not necessarily referenced to create specifications.

## PACKAGING

CHEMSTOP WB is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 6/1 gal (3.8 L) units.

## SHELF LIFE

6 months in original, unopened container.

## SPECIFICATIONS/COMPLIANCES

- Complies with SS-W-110C
- ASTM E 514

CHEMSTOP® WB REGULAR/HEAVY DUTY  
Water Based, Silane/Siloxane Penetrating Water Repellent

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**The Euclid Chemical Company**

19218 Redwood Rd. • Cleveland, OH 44110  
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596  
www.euclidchemical.com

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## COVERAGE

	Surface	1st	2nd
Regular	dense	80 to 150 ft <sup>2</sup> /gal (2.0 to 3.7 m <sup>2</sup> L)	NA
Heavy Duty	porous	40 to 60 ft <sup>2</sup> /gal (1.0 to 1.5 m <sup>2</sup> L)	60 to 100 ft <sup>2</sup> /gal (1.5 to 2.4 m <sup>2</sup> L)

Coverage rates are approximate and for estimating purposes only. Make test applications on actual surfaces to determine more accurately the coverage rates and effectiveness of water repellent.

## DIRECTIONS FOR USE

**Surface Preparation:** Cure new concrete 28 days before application. Surface should be structurally sound, clean, dry, free of dust, dirt, paint, efflorescence, laitance and other contaminants that will prevent the proper penetration of CHEMSTOP WB. A dry substrate is required for proper penetration of the sealer. Prior to application, joints or cracks must be properly sealed or filled. If acid is used for cleaning, neutralize completely before application of CHEMSTOP WB.

**Application:** Low pressure airless spray equipment is the preferred method of application, although for smaller areas, application with brush or rollers may also be acceptable. Application should be from the bottom up to ensure uniform product distribution. Apply a saturation coat with a 6" to 8" (15 cm to 20 cm) controlled rundown. For dense surfaces, one saturation coat of CHEMSTOP WB Regular is normally required. For porous surfaces two or more saturation coats of CHEMSTOP WB Heavy Duty may be required, applied using a "wet on wet" technique.

## CLEAN-UP

Clean drips, runs, and overspray residue while still wet, using detergent and water. Chemstop WB will not etch common glass; spills and overspray onto glass can be easily removed with a damp cloth. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

## PRECAUTIONS/LIMITATIONS

- Do not dilute.
- Temperature of air and surface must be at least 45°F (7° C) and rising.
- Application at temperatures above 90°F (32°C) is not recommended.
- Do not apply if rain is expected within 12 hours of application.
- Water repellency properties will develop 24 hours to 5 days after application.
- CHEMSTOP WB is not intended to seal cracks or withstand hydrostatic pressure.
- Uneven application may result in a blotchy appearance of the surface.
- Do not apply a "fog" coat.
- Do not allow to puddle. All product should penetrate the substrate with no surface build-up.
- Store between 40°F to 90°F (4° to 32°C)
- PROTECT FROM FREEZING.
- CHEMSTOP WB may exhibit minor settling upon storage.
- Agitation prior to use may be necessary.
- In all cases, consult the Material Safety Data Sheet before use.

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