



CHEMSTOP WB REGULAR, HEAVY DUTY

WATER-BASED, SILANE/SILOXANE PENETRATING WATER REPELLENT

EUCLID CHEMICAL

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

- Concrete
- Concrete block
- Lightweight concrete
- Brick
- Mortar joints
- Precast structures
- Horizontal or vertical
- Interior or exterior

FEATURES/BENEFITS

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

TECHNICAL INFORMATION

Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Material Properties @ 75°F (24°C), 50% RH

	REGULAR	HEAVY DUTY
Viscosity	50 cp	50 cp
Depth of Penetration (substrate dependent)	3/8" (9.5 mm)	3/8" (9.5 mm)
Active Content (by weight)	6%	10%
Reduction in Water Leakage, ASTM E514		
Brick	N/A	100%
Mortar Block	N/A	> 91%
Reduction in Water Absorption, SS-W-110C	90.5%	92.3%
Flash Point	> 200°F (93°C)	> 200°F (93°C)
Accelerated Weathering, ASTM G154		
1500 hours	no change	no change
Abrasion Resistance	excellent	excellent
Dirt Pick-Up	none	none
VOC Content	≤ 5 g/L	≤ 10 g/L

Appearance: CHEMSTOP WB is a milky white liquid in the container. CHEMSTOP WB dries clear, does not change the appearance of the substrate, and leaves no gloss on the finished surface. A small test area is strongly recommended to confirm appearance prior to beginning full application.

PACKAGING

CHEMSTOP WB is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails, and in cases of 1 gal (3.8 L) jugs (6 jugs per case).

SHELF LIFE

1 year in original, unopened container

SPECIFICATIONS/COMPLIANCES

Federal specification SS-W-110C

Complies with all U.S. EPA and local VOC regulations, including OTC, LADCO, Maricopa County, and California (CARB and SCAQMD)

PENETRATING SEALERS & LIQUID DENSIFIERS

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MASTER FORMAT #: 07 19 00

COVERAGE

	Surface	1st Coat	2nd Coat
REGULAR	dense	80 to 150 ft ² /gal (2.0 to 3.7 m ² /L)	N/A
HEAVY DUTY	porous	40 to 60 ft ² /gal (1.0 to 1.5 m ² /L)	60 to 100 ft ² /gal (1.5 to 2.4 m ² /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 a minimum of 3 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 in (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.
- Mask off/cover windows, window frames, aluminum, steel, etc. before applying CHEMSTOP WB.
- 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.
- A small (6' x 6') test area is strongly recommended prior to starting full application, in order to ensure desired performance results, aesthetics, and coverage rates. Allow 5 to 7 days for product to fully react before evaluating.
- In all cases, consult the Safety Data Sheet before use.

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