

# WATER REPELLENTS



## FOR CONCRETE AND MASONRY

### Water Repellents For Concrete And Masonry

The Euclid Chemical Company has been a manufacturer of high performance water repellents for over 35 years. During those years Euclid water repellents have been applied to many concrete structures, concrete masonry units, concrete block and brick. Our clear, non-yellowing, deep penetrating water repellents will not alter or change the appearance of the surface to which it is applied. After application chemical reactions within the capillaries form long lasting water repellent groups. Our water repellents have been proven to reduce water absorption and hence the damaging effects of freeze thaw cycles. They also protect the surface from wind driven rain and chloride ion penetration. They are applied by spray, brush or roller.

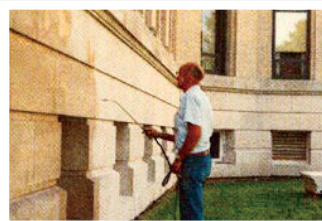
### PRIMARY APPLICATIONS

#### Vertical Applications:

- Precast and pre-stressed concrete
- Exposed aggregate
- Poured in place concrete
- Concrete block & CMU
- Brick walls

#### Horizontal Applications:

- Bridge decks
- Parking decks
- Concrete ramps
- Concrete sidewalks
- Industrial floors
- Brick pavers



### FEATURES & BENEFITS:

- VOC Compliant
- Breathable
- Non-staining
- Colorless
- Deep penetrating
- Will not alter the appearance or texture of the treated surface
- Improves freeze-thaw resistance
- Reduces intrusion of water, deicing chemicals, and airborne contaminants
- Improves resistance to airborne dirt, smog and other air pollutants
- Reduces efflorescence
- Meets NCHRP 244 and other specifications



The Euclid Chemical Company

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## WATER REPELLENTS FOR CONCRETE AND MASONRY

### Barcade M.E.

A solvent free micro-emulsion concentrate. When mixed with potable water, Barcade M.E. self emulsifies into a unique product capable of repelling water on concrete and masonry surfaces. Barcade M.E. mixed with 9 parts water to 1 part Barcade M.E. is specifically designed for use on vertical surfaces. When used in horizontal applications the Barcade M.E. is mixed in a ratio of 4.5 parts water to 1 part Barcade M.E.

### Barcade Silane 40

A high solids, VOC compliant, solvent-based impregnation water repellent for horizontal and vertical concrete and masonry surfaces.

### Barcade Silane 40 IPA

The Barcade Silane 40 IPA is a high solids, VOC complaint, water repellent solution of an alkylalkoxysilane in isopropyl alcohol. An additional feature of this product is that it will not leave a residue on most non-porous substrates, such as glass, metal frames and painted surfaces. It is used on vertical and horizontal surfaces.

### Barcade Silane 100

The Barcade Silane 100 is a 100% silane formulation. Due to this 100% silane composition Barcade Silane 100 exhibits low volatility and higher coverage rates than solvent based silane materials. It is typically used on horizontal surfaces.

### Barcade WB 244

Barcade WB 244 is formulated to protect horizontal, above grade concrete wearing surfaces. This product is a water-based, oligomeric siloxane/silane blend that provides dual benefits of deep penetration and excellent surface repellency, as well as a stable, easily applied, alkali resistant compound.

### Barcade WB ORS

Barcade WB ORS is an oil resistant, water-based siloxane formulation. Barcade WB ORS produces a breathable, UV stable, water repellent barrier on the substrate. Barcade WB ORS also imparts oil resistance properties because of the oleophobic fluoropolymer resins in the formulation. In addition to preventing the penetration of moisture and oil, Barcade WB ORS demonstrates some anti-graffiti properties by aiding in the removal of oil, grease, paint, lacquer and other materials from the surface.

### Chemstop WB

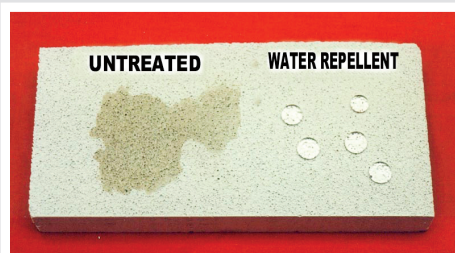
Chemstop WB Regular and Chemstop WB Heavy Duty are water based, siloxane/silane blended water repellents. The Chemstop WB Regular is formulated for use on dense surfaces such as pre-cast or poured-in-place concrete. Chemstop WB Heavy Duty is used on porous surfaces such as light weight concrete, concrete block and brick.

## ADVANTAGES OF SOLVENT BASED PRODUCTS

- Non-Freezable: storage and transportation
- Clear, VOC compliant formulations
- Long history of performance
- Deep penetration
- May be used at lower temperatures

## ADVANTAGES OF WATER-BASED PRODUCTS

- VOC compliant, low odor
- Clear, non-yellowing formulations
- Silane/Siloxane blend: deep penetration and early surface repellency
- User-friendly, soap and water clean up
- Window masking not required if promptly cleaned
- Less harmful to landscape vegetation
- Easy Clean-up



The Euclid Chemical Company, founded in 1910, is today a worldwide supplier of quality products and services for the concrete and masonry industry. Marketed under the EUCO name, we offer a full line of admixtures, repair and maintenance products based on the latest technologies. We provide complete specification assistance and laboratory support as well as on-site service for guidance on proper product usage. EUCO materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

Contact your Euclid Chemical Representative or call 800-321-7628 for more detailed technical specifications and engineering data.



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