



EUCLID CHEMICAL

# BARACADE SILANE 100 C

## HIGH PERFORMANCE WATER REPELLENT

### DESCRIPTION

**BARACADE SILANE 100 C** is a breathable, ready-to-use, colorless, non-yellowing, deep penetrating concrete and masonry water repellent. BARACADE SILANE 100 C is a 100% silane formulation that produces a hydrophobic treatment to reduce water absorption. BARACADE SILANE 100 C protects concrete, block, stone and brick against the damaging effects of water intrusion, deicing chemicals, freeze-thaw exposure and airborne contaminants such as acid rain, smog and industrial fumes. Due to the 100% silane composition, BARACADE SILANE 100 C exhibits low volatility and higher coverage rates than solvent based silane materials.

### PRIMARY APPLICATIONS

- Sidewalks
- Ramps
- Parking decks
- Bridge decks

### FEATURES/BENEFITS

- Reduces water absorption
- Protects against air-borne contaminants, such as acid rain
- Protects concrete against the damaging effects of water intrusion and deicing chemicals

### TECHNICAL INFORMATION

**Material Properties @ 75° F (24°C)**

Flash point min .....	145°F (63°C)
Silane % .....	100
Weight/gal .....	7.6 lbs/gal
VOC content .....	248 g/L
Resistance to UV .....	excellent
Abrasion resistance .....	excellent
Average depth of penetration .....	0.2 in (5 mm)

**NCHRP 244, Series II** Reduction of water absorption, %

<b>Days in water</b>	
1 day .....	94
3 days .....	89

**Chloride penetration**

% Reduction .....	91
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### PACKAGING

BARACADE SILANE 100 C is packaged in 5 gal (18.9 L) pails and 55 gal (208 L) drums.

### SHELF LIFE

2 years in original, unopened package

### COVERAGE

Surface Type	ft <sup>2</sup> /gal (m <sup>2</sup> /L) per coat
Smooth Concrete	200 to 350 (4.91 to 8.59)
Exposed Aggregate	225 to 375 (5.52 to 9.20)
Decks/Ramps	200 to 300 (4.91 to 7.36)

Because of variations in surface density, the following coverage rates are approximate and are intended for estimating purposes only. Use test applications on actual surfaces to accurately determine coverage rates. Extremely porous surfaces may require two coats of BARACADE SILANE 100 C.

### SPECIFICATIONS/COMPLIANCES

Canadian MTQ

### DIRECTIONS FOR USE

**Surface Preparation:** Cure new concrete 28 days before application. Surface must be clean, dry, open capillary, structurally sound, free of curing or form release compounds and other contaminants that will prevent the proper penetration of product. Prior to application, joints and moving cracks must be properly sealed with an elastomeric joint sealant. Non-moving cracks and voids wider than 1/64 inch (0.4 mm) must be filled with a suitable patching material. Do not apply product to a wet surface. Surfaces must dry a minimum of 24 hours following rain or exposure to other sources of moisture. Install caulking before product application. Mask or protect adjacent surfaces, including grass, plants, shrubs, glass, autos, and asphalt from overspray or drips.

**Application:** Use low pressure airless spray equipment with solvent resistant hose and gaskets. Garden type sprayers may be appropriate for smaller projects. Brushes and rollers on large projects may not achieve a uniform coverage rate. Apply BARACADE SILANE 100 C in a single application to the horizontal surface with enough material to saturate the surface. Remove excess material with a broom or squeegee. If a second coat is required it should be applied “wet on wet” before first coat dries.

Typical traffic-ready time for BARACADE SILANE 100 C is 4 hours after application at 75°F (24°C) and 50% relative humidity. Cooler temperatures and/or high humidity will extend the dry time.

## CLEAN-UP

Clean tools and equipment with alcohol, mineral spirits or similar solvent immediately following use. Clean drips and over spray while still wet. Clean glass and other non absorbent materials soon after application.

## PRECAUTIONS/LIMITATIONS

- Store at temperatures below 90°F (32°C).
- BARACADE SILANE 100 C is a DOT combustible liquid. Avoid fire, open flame and sparks.
- Do not dilute
- Do not allow to puddle. All product should penetrate the substrate with no surface build-up.
- Do not apply to a frost filled surface or when the temperature is below 32°F (0°C).
- Do not apply if rain is expected within 12 hours.
- Not intended for use on below grade applications or applications where hydrostatic pressures exist. May not be effective on certain types of limestone or marble. Test application is always recommended to confirm performance and appearance. Use in a well ventilated area.
- In all cases, consult the Safety Data Sheet before use.

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