



BARACADE SILANE 40 EX

VOC EXEMPT SOLVENT-BASED SILANE WATER REPELLENT

EUCLID CHEMICAL

PACKAGING

5 gal (18.9 L) pail

Code:

55 gal (208 L) drum

Code:

APPROXIMATE COVERAGE

See coverage rate section below for application rates.

CLEAN UP

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

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- Alberta Transportation B388 Type 1b (at 205 mL/m²)
- Complies with CSA S413:21 for sealers
- Complies with Federal AIM rule VOC regulations, and with VOC standards in the OTC and LADCO states.

DESCRIPTION

BARACADE SILANE 40 EX is a VOC exempt solvent-based, breathable, ready-to-use, colorless, non-staining, non-yellowing, deep penetrating concrete and masonry water repellent.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Reduces intrusion of water, deicing chemicals, and airborne contaminants
- Penetrates deep into capillaries of treated surface
- Improves freeze-thaw resistance
- Will not alter texture or appearance of treated surface
- Will not etch glass

PRIMARY APPLICATIONS

- Concrete surfaces
- Bridge decks
- Precast concrete
- Parking decks
- Concrete ramps
- Concrete block & CMU
- Brick walls

COVERAGE

Because of variations in surface density, the 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 40 EX.

Surface Type

ft²/gal (m²/L) per coat

Concrete Block	50 to 75 (1.23 to 1.84)
Smooth Concrete	150 to 250 (3.68 to 6.14)
Exposed Aggregate	100 to 200 (2.45 to 4.91)
Decks/Ramps	100 to 125 (2.45 to 3.07)
Brick	100 to 250 (2.45 to 6.14)
Stone	100 to 250 (2.45 to 6.14)

TECHNICAL INFORMATION

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

Material Properties	
Silane Content	40%
VOC Content	330 g/L
Flash Point (Minimum)	63 °F (17 °C)
Density	8.2 lbs/gal (0.98 kg/L)
Resistance to UV	Excellent
Dry Time (Foot and Wheel Traffic)	2 to 4 hours
Dry Time (Wheel Traffic)	6 to 8 hours

Alberta B388 (Type 1b) - Moisture Vapor Transmission
76.2%

Alberta B388 (Type 1b) - Waterproofing Before Abrasion
90.2%

Alberta B388 (Type 1b) - Waterproofing After Abrasion
86.2%

Alberta B388 (Type 1b) - Waterproofing After Alkaline Soak
83.2%

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DIRECTIONS FOR USE

Surface Preparation: Cure new concrete a minimum of 3 days before application. Surface must be clean, dry, 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, metal, and asphalt from overspray or drips.

Application: Flood the surface with BARCADE SILANE 40 EX using a low-pressure, non-atomizing, airless sprayer, roller, or broom. Use solvent-resistant equipment and gaskets. Distribute material evenly and do not allow the material to puddle. If a second coat is required, apply after the surface absorbs the initial coat of BARCADE SILANE 40 EX. When applying to horizontal areas, brush out puddles or excess material. For vertical surfaces, apply from top down to produce a 6" to 8" (15 to 20 cm) rundown.

PRECAUTIONS/LIMITATIONS

- Store material between 40 °F and 85 °F (4 °C and 29 °C). Protect from moisture, direct sunlight, and freezing.
- BARCADE SILANE 40 EX contains proprietary solvents and is FLAMMABLE, with a flash point of 63 °F (17 °C). Avoid fire, open flame and sparks.
- Use in a well-ventilated area.
- Do not dilute.
- Do not allow to puddle. All product should penetrate the substrate with no surface build-up.
- Material, surface, and ambient temperature must be a minimum of 40 °F (4 °C) during application.
- Do not apply if rain is expected within 4 to 6 hours.
- Check compatibility before application of BARCADE SILANE 40 EX. Certain types of concrete block, particularly those containing integral water repellents, may exhibit a darkening effect when product is applied.
- 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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