



BARACADE SILANE 40 IPA

ISOPROPYL ALCOHOL-BASED SILANE WATER REPELLENT

EUCLID CHEMICAL

PACKAGING

- 5 gal (18.9 L) pail
Code: TL192652I 05
- 55 gal (208 L) drum
Code: TL192652I 55
- 1 gal (4.5 L) jug, case of 4
Code: TL19265I 93

APPROXIMATE COVERAGE

See coverage rate section below for application rates.

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 overspray from glass and other non-absorbent materials immediately after application.

SHELF LIFE

2 years in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- BARACADE SILANE 40 IPA meets the performance standards of NCHRP 244
- Complies with Federal AIM Rule VOC regulations

DESCRIPTION

BARACADE SILANE 40 IPA is a 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
- Helps extend the life of structures, via reduction of water and chloride absorption

PRIMARY APPLICATIONS

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

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 IPA.

Surface Type	ft ² /gal (m ² /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	580 g/L
Flash Point (Minimum)	54 °F (12 °C)
Density	6.8 lbs/gal (0.82 kg/L)
Resistance to UV	Excellent
Dry Time Foot Traffic	2 to 6 hours
Dry Time Wheel Traffic	10 to 12 hours

Absorption Reduction ASTM C642
90.3%

Accelerated Weathering @ 1,500 hours ASTM G154
Excellent

NCHRP Report 244, Series II Reduction in Water Absorption
93.5%
NCHRP Report 244, Series II Reduction in Chloride Ion Content
93.4%
NCHRP Report 244, Series IV Accelerated Weathering (Southern Exposure)
No change
NCHRP Report 244, Series IV Reduction in Chloride Ion Content
89.3%

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DIRECTIONS FOR USE

Surface Preparation: Cure new concrete a minimum of 7 days before application. The longer the concrete is allowed to cure, the better the sealer performance will be. 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 IPA 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 IPA. When applying to horizontal areas, brush out puddles or excess material. For vertical surfaces, apply from top down to product a 6" to 8" (15 to 20 cm) rundown.

PRECAUTIONS/LIMITATIONS

- Store material between 40 and 85 °F (4 and 29 °C). Protect from moisture, direct sunlight, and freezing.
- BARCADE SILANE 40 IPA contains isopropyl alcohol and is FLAMMABLE, with a flash point of 53 °F (12 °C). Avoid fire, open flame and sparks.
- Use in a well-ventilated area.
- Do not dilute.
- Will not etch glass.
- 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 20 °F (0 °C).
- Do not apply if rain is expected within 4 to 6 hours.
- Check compatibility before application of BARCADE SILANE 40 IPA. 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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