



BARACADE WB 244

WATER-BASED, PENETRATING WATER REPELLENT FOR CONCRETE AND MASONRY

PACKAGING

5 gal (18.9 L) pail
Code: TL1935505244
55 gal (208 L) drum
Code: TL1935555244

APPROXIMATE COVERAGE

BARACADE WB 244 should be applied at approximately 100 to 150 ft²/gal (2.45 to 3.68 m²/L). Because of variations in surface density, posted 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 WB 244. When two coats are required, apply the second coat on the still wet BARACADE WB 244 by following a "wet on wet" technique.

CLEAN UP

Clean drips, runs, and overspray residue while still wet, using detergent and water. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

SHELF LIFE

1 year in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- BARACADE WB 244 meets the performance standards of NCHRP 244
- 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)
- Canadian MTQ

DESCRIPTION

BARACADE WB 244 is a ready-to-use, water-based siloxane/silane penetrating water repellent sealer. BARACADE WB 244 soaks into the substrate and forms a water and chloride barrier that protects concrete and masonry from the damaging effects of water and salts, especially in freeze-thaw climates and marine environments. BARACADE WB 244 is a breathable sealer that does not alter the appearance or texture of the substrate.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Low VOC content
- Breathable
- Non film-forming; leaves no gloss or shine
- Helps extend the life of structures, via reduction of water and chloride absorption

PRIMARY APPLICATIONS

- Sidewalks
- Ramps
- Parking decks
- Bridge decks
- Industrial floors
- Walls

TECHNICAL INFORMATION

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

Material Properties @ 75 °F (24 °C)	
Flash Point	> 200 °F (93 °C)
Weight/gal	8.4 lbs
VOC Content	< 50 g/L
Active Content (by weight)	10%
Viscosity	50 cp
Drying Time at 70 °F (21 °C)	1 to 2 hours
Foot Traffic	4 to 6 hours
Wheel Traffic	10 to 12 hours
Average Depth of Penetration (substrate dependent)	3/8" (9.5 mm)
Absorption Reduction Federal Specification SS-W-110C	88%
NCHRP Report No. 244	
Reduction in Chloride Ion Content	21 days: 89%
Reduction in Water Absorption	21 days: 85%

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 and structurally sound. The substrate must also be free of all curing compounds, form release agents and any other contaminants which may prevent the proper penetration of BARACADE WB 244. Prior to application, moving joints or cracks must be properly sealed with an elastomeric joint sealant. Non-moving cracks or voids wider than 1/64 inch (0.4 mm) must be filled with a suitable material. Surfaces must be dry for a minimum of 24 hours prior to application. Mask all adjacent surfaces including grass, plants, shrubs and asphalt to protect from drips or over spray.

Mixing: BARACADE WB 244 does not normally require mixing.

Application: For best results, BARACADE WB 244 should be applied using low pressure, non-atomizing, airless spray equipment. A garden sprayer may be used for smaller projects only when an airless sprayer is not available. To produce the proper material flow, reduce air pressure on pumping equipment and use spray tips with orifice sizes no smaller than 0.035 inch (0.9 mm). Larger tips may be required with some spray equipment to get desired material flow. Flood the surface with BARACADE WB 244 using a low pressure sprayer. A roller or broom may also be used. Distribute material evenly. Do not allow the material to puddle. When applying to vertical surfaces, work from the bottom up.

PRECAUTIONS/LIMITATIONS

- Store material between 40 to 90 °F (4 to 32 °C).
- PROTECT FROM FREEZING.
- Temperature of air and surface must be at least 40 °F (4 °C) and rising.
- Do not dilute
- Do not allow to puddle. All product should penetrate the substrate with no surface build-up.
- Do not apply if rain is expected within 12 hours.
- BARACADE WB 244 can be applied to pH neutral surfaces; however, longer cure times may be required to develop full repellency.
- BARACADE WB 244 is non-flammable and non-hazardous.
- BARACADE WB 244 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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