



EXCALIBUR - WB

WATER BASED SILICONE WATER REPELLENT TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Excalibur WB is an active water-based silicone water repellent and impregnating agent for porous masonry surfaces such as concrete, block, pavers, brick and unglazed tile. This water repellent enhances colored & stained concrete, decorative stones and pavers without forming a film! **Excalibur WB** penetrates and chemically bonds deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. **Excalibur WB** will not impair the natural breathability of treated substrates nor will it produce a film. **Excalibur WB** helps concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining and other damages caused by intrusion of water, but it will not change the feel of the surface, it is not slick and it is easily maintained.

BENEFITS/FEATURES

- Provides superior water repellency
- Excellent resistance to biological growth
- Low VOC allows for safe application indoors
- Matte finish
- **Color Enhancing!**
- Allows Surface To Breathe
- Efflorescence and alkali resistant

RECOMMENDED APPLICATIONS

Excalibur WB is effective on unsealed application such as ...

- Stamped Concrete
- Exposed Aggregate Concrete
- Concrete Pavers
- Broom Finish Concrete
- Masonry Block
- Concrete walls
- Natural & Artificial Stone
- Smooth Trowel Concrete
- Fired Clay Brick
- Perfect around pools!

TECHNICAL INFORMATION

Drying Time.....	1 - 2 hours	Wet Appearance.....	Milky White
Re-Coat Time.....(wet-on-wet) see instructions		Dry Appearance.....	Clear & Invisible-No Gloss
Foot Traffic.....	8-12 hours	VOC Content.....	<50 g/L
Heavy Traffic.....	24-48 hours	Application Temp.....	50°F - 80°F
Full Cure.....	7 Days		

*Please note that low air &/or concrete temperatures &/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

Meets OTC, CARB, LADCO & SCAQMD VOC restrictions. Dried coating is USDA accepted.

APPROXIMATE COVERAGE RATES

First Coat 100-300 ft²/gallon

*Coverage rates vary depending upon surface porosity & texture, & application method. Excessive build up should be avoided.

PACKAGING & SHELF LIFE

Excalibur WB is packaged in 1 gallon jugs, 5 gallon pails & 55 gallon drums. **Excalibur WB** has a shelf life of up to one year in it's original, sealed, unopened container stored at room temperature.

CLEAN-UP & PRODUCT REMOVAL

Use soap and warm water. Dispose of containers in accordance with local, state and federal regulations. Coating deeply penetrates surface. Removal is not recommended.

SURFACE PREPARATION: Prior to surface preparation, protect property, people, automobiles, plants and any other non-masonry surfaces or objects from material, wind drift, splash, residue and fumes of the material. Protecting and diverting pedestrian and automobile traffic is also recommended. **Proper surface preparation is key!** Surfaces must be free from oils, dirt, dust, grease, curing compounds, other coatings, efflorescence and any laitance before applying. The surface must be visibly dry and absorbent. Excessive moisture inhibits penetration, which can reduce the performance and life of the coating. **The AIR & SURFACE temperature must be at least 50°F and never exceed 80°F during application and for at least 8 hours afterwards.** If freezing conditions exist prior to application, the substrate MUST be allowed to fully thaw. Should this recommendation not be followed, the product may not yield adequate protective properties.

APPLICATION: Proper equipment should be used when applying **Excalibur WB**. A brush, roller, low pressure sprayer should be used to apply. If using a sprayer, be sure the psi is no greater than 20. Set the sprayer to achieve a good, wet stream, avoiding atomization of the product. Be sure that any container used for mixing or material handling is clean, free of any debris and uncontaminated. Always test any substrate before overall application to ensure desired results. Please test using the following application instructions. Also, let the test area dry completely before final inspection and approval.

NOTE: DO NOT ROLLER APPLY EXCALIBUR TO BLUESTONE.

HORIZONTAL APPLICATION INSTRUCTIONS: Stir **Excalibur WB** well before using. For best results, apply wet-on-wet at a rate of 100-300 sq. ft. per gallon depending upon surface type and porosity, to a dry and absorbent surface. Broom out puddles until surface is penetrated. Re-apply a second coat once sheen from first coat has dissipated. Less material may be sufficient for a second coat. Once again, broom out any puddles until material has penetrated. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weather conditions for at least 24 hours after application. Water and oil repellency should develop within 24 hours. A neutral pH surface may need several days to achieve full water repellency.

VERTICAL APPLICATION INSTRUCTIONS: Stir **Excalibur WB** well before using. For best results, apply **Excalibur WB** wet-on-wet at a rate of 100-300 sq ft per gallon depending upon surface type and porosity, to a dry and absorbent surface. When using a sprayer, saturate from the bottom up while applying enough material for a 4"- 8" rundown below the spray contact point. Let the first application penetrate the substrate for at least 5-10 minutes. Re-apply the material; less material will be needed for the second application. When using a brush or roller, saturate the surface uniformly, allowing **Excalibur WB** to penetrate for 5-10 minutes. Brush out heavy drips and runs that show no signs of penetration. The second coat is needed for maximum protection.

PLEASE NOTE: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc. If applying by spray method, extended coverage rates may be achieved, but be aware that less material will be applied and performance expectations may be limited.

PRECAUTIONS & LIMITATIONS

- **Excalibur WB** is designed for use with CURED concrete only. Substrate must be cured 28 days.
- **Excalibur WB** will **freeze** during storage. Store at temperatures above 50°F.
- Do not allow **Excalibur WB** to be subjected to any form of rain or moisture for 24 hours after application.
- It is not recommended to apply product over carpet, tile or other types of floor adhesives.
- **Excalibur WB** should be applied as two thin coats, not one heavy coat.
- **Excalibur WB** was designed as a water repellent for porous surfaces. This is not a glossy top coat.
- It may take up to 72 hours for **Excalibur WB** to obtain its full water repellent properties.
- It is not recommended to thin **Excalibur WB**.
- **Excalibur WB** may darken the surface of many new and existing concrete slabs. Test prior to use.
- Adhesion of cementitious coatings, stucco, plaster, etc. may be adversely affected.
- **Excalibur WB** will not keep water out of cracks, defects, or open joints.
- **Excalibur WB** should not change the slip coefficient of the surface. Test prior to use.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. FOR PROFESSIONAL USE ONLY!