



# EXCALIBUR - SB

## SOLVENT BASED SILICONE WATER REPELLENT TECHNICAL DATA & APPLICATION INSTRUCTION

### PRODUCT DESCRIPTION

Excalibur SB is an active solvent-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 SB penetrates and chemically bonds deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. Excalibur SB will not impair the natural breathing characteristics of treated substrates nor will it produce a film. Excalibur SB 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
- Breathable
- **Color Enhancing!**
- Low VOC
- Matte finish
- Efflorescence and alkali resistant

### RECOMMENDED APPLICATIONS

**Excalibur SB** 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.....	30 min-1 hour	Wet Appearance.....	Clear
Re-Coat Time.....	(wet-on-wet) see instructions	Dry Appearance.....	Clear & Invisible
Foot Traffic.....	4-8 hours	VOC Content.....	<400 g/L
Heavy Traffic.....	24-48 hours	Application Temp.....	40°F - 80°F

\*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 ft<sup>2</sup>/gallon

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

### PACKAGING & SHELF LIFE

**Excalibur SB** is packaged in 1 gallon jugs, 5 gallon pails & 55 gallon drums. **Excalibur SB** 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 Xylene. 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 40°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 SB**. 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 SB 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 SB well before using. For best results, apply **Excalibur SB** 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 SB** 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 SB** is designed for use with CURED concrete only. Substrate must be cured 28 days.
- **Excalibur SB** will not freeze during storage, however, allow temperature to rise to 40°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- Do not allow **Excalibur SB** 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 SB** should be applied as two thin coats, not one heavy coat.
- **Excalibur SB** 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 SB** to obtain its full water repellent properties.
- It is not recommended to thin **Excalibur SB**.
- **Excalibur SB** 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 SB** will not keep water out of cracks, defects, or open joints.
- **Excalibur SB** 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!

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