

### Product Description: Interior / Exterior Floor Coating

BALLISTIX SQUIRE is a silicon-ceramic treatment designed to provide maximum protection to tile, porcelain, terrazzo, stone, grout, and stained concrete, against staining, microbial growth, and fading due to UV exposure. It restores the surfaces to near original color and gloss and brings out the color in stone and grout. Its extreme hydrophobic nature exhibits an increased co-efficient of friction on the substrate it is applied to, making the coated surface not slippery when wet.

### Suggested Uses:

Honed Concrete, Polished Concrete (with or without existing guard), Epoxy, Decorative Concrete, Vertical Surfaces, Brick, Stone, Stamped Concrete, Stained Concrete, Tile, Terrazzo, Stone, and Grout.

### Surface Preparation:

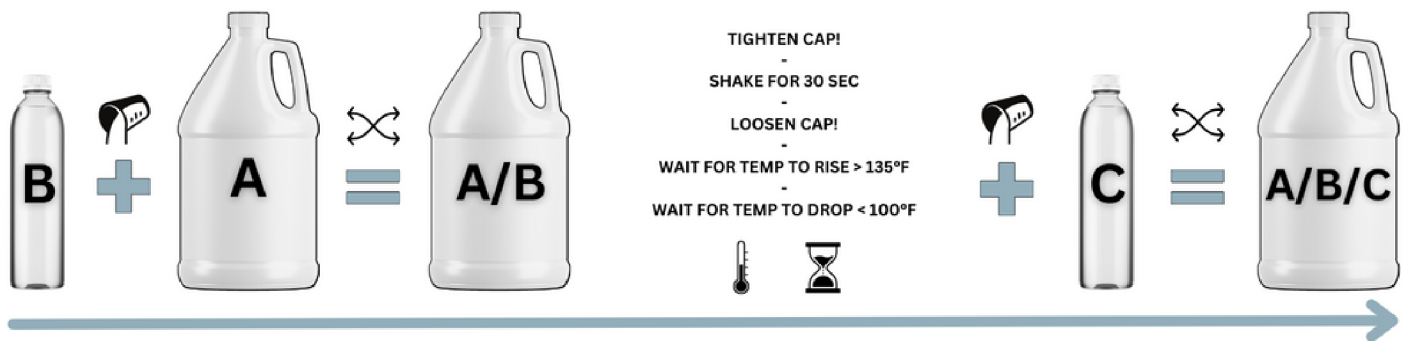
The surface to be coated must be clean, dry and free from dirt, oily residue, grime, loose oxidation, spores (mildew) or any other surface contaminate that could affect product performance. It is imperative to fully and completely clean the surface, as BALLISTIX SQUIRE adheres by covalent and mechanical bonding and must gain intimate contact with the surface. Clean the surface of the floor by liberally applying a surfactant cleaner, making sure to remove all residue of the cleaner by flushing vigorously with water. After the floor is dry, wipe the flooring surface with isopropyl alcohol prior to coating application.

### Mixing and Catalyzing of BALLISTIX SQUIRE:

BALLISTIX SQUIRE is a three-component material and must be properly mixed for curing to occur. This product is packaged, in kit form, with separate containers for the (A), (B) & (C) components. To mix gallon, quart and smaller kits:

1. Pour Part (B) into the bottle labeled Part (A). Shake for 10 seconds and set the bottle down.
2. Notice the bottle will begin to warm. This is normal, and the bottle will reach about 135-160 degrees. Leave the cap loose to release reaction vapors (alcohol). Shake lightly after 30 minutes. Continue to let the mixture react until it now starts going down in temperature to about 100 degrees. Check the temperature. If the temperature is less than 100 degrees, then continue to step 3 (approximately after 90 minutes total).
3. Next, add the (C) component liquid into the admixture of the (A) & (B) components. Shake for 15 seconds and let sit for 5 additional minutes before using. Pot life of mixed material is 7 days. Keep container closed when not in use.

## 3-PART MIXING INSTRUCTIONS



### STEP 1

Pour entire contents of Part B into Part A. **Tighten** the cap and shake for 30 seconds to help begin catalyzation process. After shaking, set the bottle down and **loosen** the cap to allow vapors to escape. It is imperative to **loosen** the cap immediately after shaking Parts A & B together. Otherwise, product won't catalyze properly.

### STEP 2

Temperature of combined contents should reach 135°F or higher, but then drop back down below 100°F within an hour. Check thermometer included on bottle, or use a heat laser to monitor rising temperatures.

### STEP 3

Once an hour has passed and temperature has dropped back down below 100°F, add Part C to the mixed Part A/B. Shake all three parts for 30 seconds. Allow mixed components to sit for 5 minutes before use.



**NOTE:** When mixing a Quart size kit, the maximum temperature will be approximately 125°F - 130°F and will take approximately a total of 60 minutes before Part C can be added. For a Sample size kit of 8 ounces, the maximum temperature will be approximately 115°F - 120°F and will take approximately a total of 40 minutes before Part C can be added.



### Application of BALLISTIX SQUIRE:

**Roller:** Use a short nap adhesive or mohair roller cover with a solvent resistant core. Pick up a small amount of material into the cover and gently apply using a series of one directional roller strokes. Avoid over rolling the material and avoid working back into partially set material. Maintain a functional working wet line during application and roll to natural breaks. Always mask, and protect surfaces not to be coated.

**Brush:** Small surface areas or cut in edges can be blended in using a natural hair bristle brush or disposable foam applicator provided the initial application is still freshly wet. This may only be within several minutes in outdoor applications.

**Spray:** Follow spray equipment instructions and use a small tip capable of laying down approximately 1 to 1.5 mils wet on a non-porous surface. On porous surfaces ensure reasonable penetration. **Do Not Apply:** if rain, fog or heavy dew is imminent within 12 hours of product installation. **Do Not Mix or Apply:** if the temperature will drop below 50°F at any time during application or within 12 hours of product installation.

BALLISTIX SQUIRE is a single coat application, and the product is chemically designed to not stick to itself. Therefore, this coating cannot be over coated. When first applying the product, if the desired effect is not reached then wash the coating off with denatured alcohol before it is dry and then recoat. When it comes time to apply a new coat of BALLISTIX SQUIRE due to wear and tear, simply agitate the surface with a black pad or a green scotch brite pad for small areas to touch-up/repair.

### Safety Requirements:

**Warning:** Alcohol vapors are flammable. No smoking or hot work in confined or poorly ventilated areas. Methanol vapors are hazardous. Assure sufficient ventilation and wear PPE 9 respirator. Protective eye wear, with side shields and protective gloves are also required when using BALLISTIX SQUIRE. See SDS.

### Clean Up:

Application tools and spray equipment should be cleaned with 100% pure denatured alcohol. Flush the pump, hose, pressure pot and gun thoroughly until all product has been cleaned from the spray system. Remove the tip and nozzle and clean thoroughly before replacing onto the gun. Clean up drips, spills or over spray with 100% pure Isopropyl alcohol before the product dries. Always dispose of alcohol-saturated cloths in a safe and proper manner. During clean up/containment, wear protective clothing. Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide dikes or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as, clean water hosing, high-pressure power washing or steam cleaning.

### Product Yield:

The yield of product varies with substrate condition and application method. The yield can be as high as 1,000 sq. ft. per gallon on non-porous surfaces and as low as 400 sq. ft. per gallon on porous surfaces. Actual field conditions will dictate product yield.

### HANDLEABILITY, MIXING AND APPLICATION:

**Pot Life:** When all materials mixed, 6 days.

**Film Thickness:** 1-1.5 mils wet.

**Curing Conditions:** @ 73°F (23°C) and 50% R.H.

**Dry Time:** Touch: 2 hours at 70°F, 50% RH, **Full Cure:** 7 days.

### SYSTEM PERFORMANCE (Typical Data):

**VOC Content:** 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed).

**Abrasion Resistance:** 364 kg load 1000 cycles (ASTM C501), 1500 revolutions, class 3 rating (ASTM C1027).

**Salt Spray:** 4000 hours (face corrosion, face blistering) NONE. (ASTM B117).

**Resistance to Microbial Fungi:** Rating 0 (ASTM G2109).

**Resistance to Staining:** Class A (ANSI A137.1-2008) (ASTM C1378).

**Coefficient of Friction:** Dry: 0.79, Wet: 0.79 (ASTM C1028).