



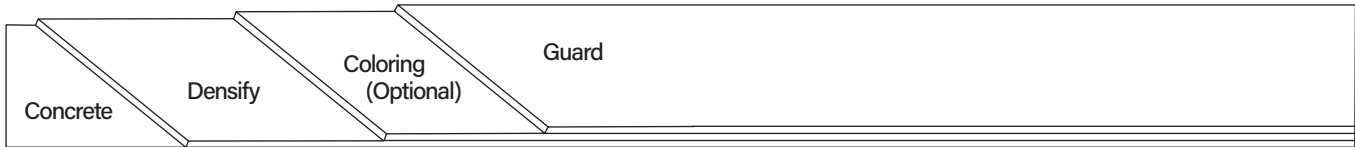
**Description**

The Fast Stain Polish System incorporates Westcoat’s SC-21 Lithium Silicate, SC-36 Fast Stain and SC-24 Polish Guard, into a polishing system that provides a long lasting concrete surface with varying degrees of gloss and color.

**Uses**

The Fast Stain Polish System is designed to revitalize and transform concrete into a reflective semi-impervious surface. For use over existing interior concrete substrates such as garage floors, restaurant floors and showrooms. It can be installed in both commercial and residential environments.

**System Overview**



System Data			
<b>Coverages</b>	<b>Densify</b> 200-400 ft <sup>2</sup> per gallon	<b>Coloring (Optional)</b> 200-400 ft <sup>2</sup> per gallon	<b>Guard</b> 2000-2500 ft <sup>2</sup> per gallon
<b>Components</b>	<u>SC-21 Lithium Silicate</u> <u>SC-36 Fast Stain</u> <u>TC-29 Concrete Patch</u> <u>SC-24 Polish Guard</u>		<b>Shelf Life</b> 3 years 5 years 1 year 3 years

**Advantages**

Cost Effective • No Delamination • Unlimited Colors • Highly Decorative • Low Maintenance • Breathable System • Various Degrees of Gloss

**Inspection**

Concrete must be clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI, 3½ inches thick and meet local building codes. A minimum of 28 days curing time is required on all concrete. Prior to starting work, be sure to examine the floor for any metal, rebar or other foreign material that may damage diamond tooling. Prior to application, be sure to determine the desired aggregate exposure, reflective clarity and reflective sheen. For best results, determine the hardness of the concrete by utilizing the MOHS Hardness Test Kit.

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**SYSTEM  
SPECIFICATION**

**SC**

**SURFACE COAT**  
PROTECTIVE SEALERS & STAINS

**Fast Stain**

**Polish**

### **Preparation**

Remove existing floor coatings, paint and all non-concrete materials. All debris and construction materials should be removed from the surface.

### **Concrete Repair**

For concrete that needs repairs beyond just dormant cracks, TC-23 Mortar Mix can be used. TC-23 is designed to be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material under most Westcoat systems. Please refer to the TC-23 Mortar Mix Product Specification Sheet for details.

### **Grind**

Begin with 30/40 grit metal bond diamonds or lower, to cut the floor at the desired level. Broom and vacuum to remove any residual dust. For best results, clean floor with an autoscrubber after each step.

### **Patching**

Treat voids, spalls and other imperfections after the first grind with metal bond diamonds. Cut and clean out imperfections, such as spalls, cracks, etc., before applying TC-29 Concrete Patch. In a clean, dry bucket add four parts TC-29 Concrete Patch to one and a half parts water (by Volume) or a ten pound bag to 40-50 ounces of water, depending on the desired consistency. Mix thoroughly for 1-2 minutes with a low rpm drill. Lightly dampen the substrate with water and apply TC-29 with a trowel or putty knife. Cracks, spalls, holes and pits should be overfilled and allowed to dry properly. Allow 2-4 hours at 72 degrees before grinding. This remedial approach to patching cracks is not guaranteed and it should be noted that when the substrate moves, the crack may reappear. Repaired areas will be visible.

### **2nd Grind**

Reduce the coarseness of the diamonds to 60/80 grit metal bond diamonds and cut the entire floor. Once complete, broom and vacuum to remove dust.

### **2nd Patching**

If necessary, patch any cracks or chips that were removed during the grinding process. Follow the same instructions as the first patching step. If additional patching is required, proceed with another pass of 60/80 grit metal bond diamonds and vacuum to remove dust.

### **Densify**

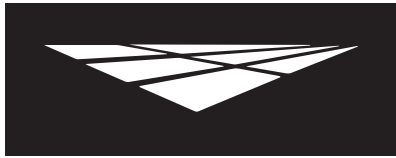
Apply SC-21 Lithium Silicate at a rate of 200 to 400 square feet per gallon, wetting the surface evenly. Do not allow the SC-21 to puddle. For best results, spray the densifier and spread with a microfiber pad or broom, keeping it wet for 20 minutes. When applying to a very porous surface, a second coat may be applied after the first coat has dried. Allow the SC-21 to dry before continuing. Proceed with another pass of 60/80 grit metal bond diamonds and vacuum to remove dust.

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### **Transition**

Once all patching and densifying is complete, grind the entire floor with 100 grit ceramic transitional diamonds. Broom and vacuum the entire floor to remove dust.

### **Polishing**

Continue the polishing process with 100 grit resin, then move to 200 grit resin and then 400 grit resin. Be sure to clean the floor after each pass to remove all dust. After the 400 grit resin, you are ready for coloring. Be sure all dust has been removed and the surface is clean, prior to staining.

### **Coloring (Optional)**

The Fast Stain should be applied after using 400 grit resin diamonds. This will allow the Fast Stain to penetrate and to be polished up to meet the desired gloss.

Mix SC-36 Fast Stain with acetone and place material into a solvent safe, pump style sprayer. Apply at a rate of 200 to 400 square feet per gallon. Coverage will vary due to porosity and desired effect. Let the SC-36 dry for 20 minutes before applying additional colors. Be sure to cross ventilate and allow the solvent to dissipate prior to polishing.

### **Final Polish**

Continue to polish with 800 grit resin. Once polishing is complete, broom and vacuum to remove dust. Fast Stain may be reapplied to achieve the final color desired. For a higher gloss level, polish up to 3000 grit. Be sure to clean and remove all dust prior to applying Guard.

### **Guard**

SC-24 Polish Guard can be applied once the floor is polished to the desired level. Before applying, be sure the floor is clean and free of dirt, dust or debris. For best results, thin SC-24 with equal parts water, spray material onto the surface and spread thin and evenly with a microfiber pad.

Allow the SC-24 Polish Guard to dry completely before burnishing. Additional coats may be applied. Burnishing is recommended in between coats. For best results, burnish the same day.

### **Burnish**

Once guard is completely dry, burnish with 800 and then 1500 burnishing pads. If the floor was polished greater than 800 grit diamond resin, use a burnishing pad that is equal or greater to the highest grit resin used. Be sure to clean pad between each diamond change.

When final burnish is completed, you can reoccupy the space.

### **Optional Materials**

#### **Cement Options**

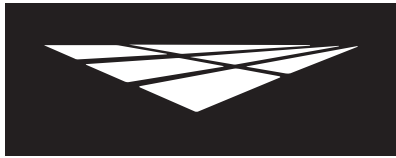
- TC-23 Mortar Mix may be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material.

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### Maintenance

The Fast Stain Polish System is a low maintenance flooring system, but still requires basic care and scheduled cleaning. Floors should be swept daily with a dust mop or microfiber pad. Spills should be cleaned up promptly.

Additional cleaning with water and/or a pH neutral cleaner may be performed as needed. Be sure to test any cleaning agents in an inconspicuous area prior to use. Polished floors can be rejuvenated by repeating the final steps of the polishing process. In some cases, simply burnish with a high speed burnisher equipped with a diamond impregnated pad to rejuvenate the gloss.

SC-24 Polish Guard can be applied quarterly or as required per scheduled maintenance. Floors should be scrubbed and cleaned before reapplying SC-24 Polish Guard.

### Health Precautions

Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

Be sure to extinguish all pilot lights and sources of ignition. Ventilate the area prior to starting the job. Acetone fumes are **EXTREMELY FLAMMABLE**.

### Limitations

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 80°F.
- For interior use only.
- Use dustless equipment when possible.
- Concrete contains silicas. Dust masks or respirators should be used.
- Be sure to paper off any areas that you do not want stained.
- Will not hide imperfections or stains in concrete.
- Product will stain concrete and can produce a mottled look. Colors and effects will vary.
- Fast Stain will fade with prolonged exposure to sunlight.
- Gloss and results will vary as concrete varies.
- Not all concrete can be polished.
- Minimal chemical resistance.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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