



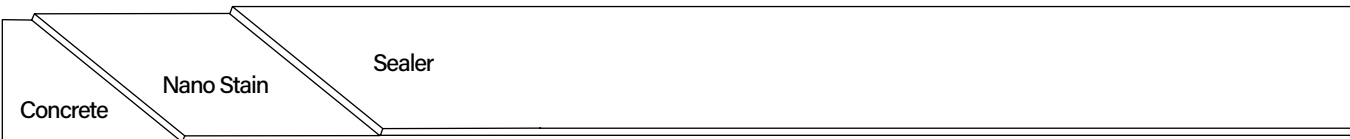
**Description**

The Nano Stain Prep & Seal System is a process of preparing the concrete and applying Westcoat's Nano Stain and SC-70 Acrylic Lacquer Sealer. Nano Stain is a semi-transparent, decorative concrete stain. Nano technology allows for deeper penetration into concrete substrates. SC-37 allows for an easy, one-step application to safely stain. There are no caustic ingredients and unlike acid stain, there is no need for neutralizing or rinsing and the stain is low in VOC, making it a more environmentally friendly system. The stain is then sealed for protection.

**Uses**

The Nano Stain Prep & Seal System is designed to create a stained effect on textured concrete surfaces. This system can be used on exterior projects including restaurants, cafes, hotels, pool decks, patios and driveways, where leaving an existing texture is desired. Recommended for use on exterior floors where good durability and solid UV Resistance is desired.

**System Overview**



System Data		
<b>Coverages</b>	<b>Nano Stain</b> 400-800 ft <sup>2</sup> per gallon	<b>Sealer</b> 200-300 ft <sup>2</sup> per gallon
<b>Components</b>	<a href="#">SC-37 Nano Stain</a> <a href="#">SC-70 Acrylic Lacquer Sealer</a>	<b>Shelf Life</b> 2 years 5 years

**Advantages**

- Durable
- Unique Colors
- Deep Penetrating
- Long Lasting
- Chemical Resistant
- UV Resistant
- No Rinsing Needed
- Colors Can Be Blended
- Easy to Use

**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, porous and able to absorb water. A minimum of 28 days curing time is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure.

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**SYSTEM  
SPECIFICATION**

**SC**

**SURFACE COAT**  
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### **Moisture**

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

### **Preparation**

For concrete, the surface should be at least 2500 psi and have cured for a minimum of 28 days. Prepare concrete to a profile equal to CSP 2-3. You may mechanically profile by grinding or shot blasting. The concrete should be porous and be able to absorb water. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure. Vacuum surface entirely and ensure that any dust or contaminants are removed, as these will deter adhesion.

### **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.

### **Applying Product**

SC-37 Nano Stain can be thinned using water as needed. Thinning will affect the depth and intensity of the color. For general use, thinning and applying multiple coats is recommended. A test panel or mock-up should be performed, prior to the application. If different batches or more than one container of SC-37 are to be used, all material should be boxed or mixed together prior to application. All material should be shaken before use and should be shaken periodically during use. Nano Stain can be strained or filtered before application, if needed. SC-37 may be applied using a pump sprayer, airless sprayer, broom or other application methods depending on the desired look. Prior to application, a mock-up should be performed to verify the desired color and effect. Do not apply when temperature is below 50F degrees or above 90F degrees. The surface may be dampened with water before applying the stain. SC-37 should be applied in light applications. A fine mist of stain or water can be applied, should brush or broom marks appear. Different colors may be applied at the same time for a variegated finish. Recoat in ½ to 1 hour at 70F degrees, if needed.

### **Sealer**

Apply SC-70 by spraying, brushing or rolling with a ½ to ¾ inch nap, non-shedding roller cover at the rate of 200-300 square feet per gallon. For added slip resistance add up to 1 quart of CA-30 Safe Grip per 5 gallons of sealer. Silica sand may be broadcast when extra traction is needed. Quantities may vary.

### **Sealer Dry Time**

Allow 2-6 hours between coats. Allow 12-24 hours at 70 degrees before light foot traffic. Normal foot traffic may be permitted after 24-48 hours. For vehicular traffic, allow a minimum of 72 hours. See Individual Product Specification Sheet on each sealer for accurate dry times.

### **Clean Up**

Uncured material can be removed with soap and warm water. If cured, material can only be removed mechanically or with an environmentally safe solvent.

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### 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.

#### Sealer Options

- SC-70F Acrylic Lacquer Flat Sealer can be used when a natural look, fast-drying, acrylic lacquer finish is required. Please note SC-70F cannot be applied directly to the concrete and requires a coat of SC-70 Gloss prior to applying SC-70F.

#### Skid Resistance

- CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the final coat of sealer for added skid resistance.
- CA-33 Aluminum Oxide can be used for skid resistance in heavy traffic areas.

\* Please read Product Specification Sheets on these products prior to use.

### Maintenance

Exterior floors can be swept daily with water and a broom. For tougher dirt or grease, use Westcoat CA-24 Degreaser diluted with water 20:1 and a soft bristle brush or broom. Be sure to rinse well. To remove calcium or lime build up, brush 100 grain vinegar over the surface. Be sure to rinse any residue.

The Nano Stain System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure. Contact the original Installer of Westcoat for complete re-coating instructions.

### 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. SC-70 fumes are **EXTREMELY FLAMMABLE**.

### Limitations

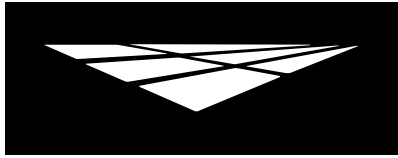
- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- Be sure to paper off any areas that you do not want stained.
- Will not hide imperfections or stains in concrete.
- Nano Stain will stain concrete and can produce a mottled look. Colors and effects will vary.
- SC-37 is designed to resist fading, especially when sealed, but no material is fade-proof when subjected to ultraviolet rays and the elements. Westcoat cannot guarantee any color or material from fading, when exposed to ultraviolet rays.
- Sealers will make the surface slippery, please be aware of the existing texture of the concrete and how the sealer will affect the look and feel.
- SC-70 provides only a basic chemical resistance. For greater chemical resistance, please contact Westcoat.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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**Slip Precaution**

Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors will not be responsible for injury incurred during a slip and fall incident. For the current coefficient of friction requirements, please consult your local building codes.

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