



westcoat[®]
SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

TC

TEXTURE COAT
DECORATIVE TEXTURED SURFACES

Stamp-It™

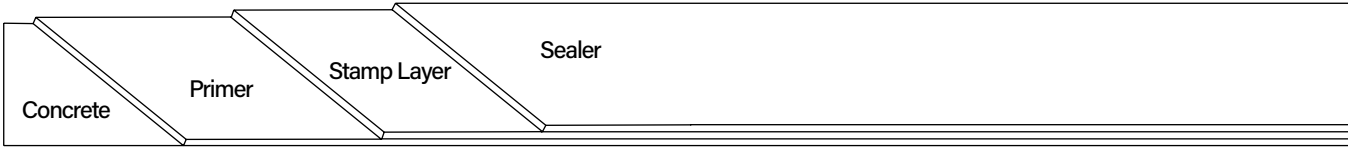
Description

Westcoat Stamp-It™ is a ¼ inch polymer-modified cementitious overlay. Stamp-It™ creates the look of stamped concrete over new or existing concrete.

Uses

Stamp-It™ is designed to transform aesthetically unattractive concrete into a very decorative surface. For use over existing concrete substrates such as driveways, walkways, patios, garage floors, courtyards, entryways, interior floors, restaurant floors, showrooms and pool decks. Stamp-It™ can be installed in both the commercial and residential environments.

System Overview



System Data				
Coverages	Primer 250-300 ft ² per gallon	Stamp Layer 25 ft ² at ¼ inch per batch	WB Stain 150-400 ft ² per gallon	Sealer 200-300 ft ² per gallon
Components	EC-11 Water-Based Epoxy EC-72 Epoxy Patch Gel TC-6 Stamp Texture Cement TC-40 Liquid Colorant CA-20 Stamp Release SC-35 Water-Based Stain SC-70 Acrylic Lacquer Sealer		Shelf Life 3 years 2 years 1 year 1 year 2 years 3 years 5 years	

Advantages

Cost Effective • High Build • Real Stamped Concrete Look • Optional Skid Resistance • Unlimited Colors • Highly Decorative • Variety of Textures and Patterns

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. Drainage problems or puddling must be corrected prior to the installation of Stamp-It™. The concrete should be at least 2,500 PSI, 3½ inches thick and meet local building codes.

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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), please refer to the EC-15 Moisture Vapor Barrier Product Specification Sheet.

Preparation

Cut open cracks with a diamond crack chaser and remove any existing joint sealant. Prepare concrete to a profile equal to CSP 4-6 as specified by ICRI. Shot blast or scarify the surface to create a heavily textured profile. Vacuum, sweep, then water blast clean with a minimum 3,500 psi or greater water blaster.

Crack Treatment

Cut open small cracks and fill with EC-72. Use WP-47-3 Seam Tape to help reinforce the crack, then trowel EC-72 into the tape and smooth. Broadcast #30 silica sand onto the wet epoxy to provide a rough surface for the Stamp-It™ to bond. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, it could likely crack the Stamp-It™ material.

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.

Primer

Mix 2 parts A with 1 part B (by volume) of EC-11 Water-Based Epoxy for 3-5 minutes or until completely combined. Apply the primer, using a ½ to ¾ inch nap roller, evenly over the surface to be coated. Apply at a rate of 250-300 square feet per gallon. Within seconds of application, broadcast the surface with #30 silica sand to refusal. This will aid adhesion of the stamp mix. Make sure not to allow the EC-11 to puddle, as it will not cure properly and allow a minimum of 4 hours to dry.

Stamp Layer

Honor all expansion joints by identifying and tagging them using pins or concrete nails. The joints will be re-cut later in the process. Combine 1 bag of TC-6 with approximately 4-5 quarts of water using a mechanical mixer. The best mixer has a heavy duty rectangular paddle. Add 1-4 ounces of the chosen TC-40 Liquid Colorant. Mix at a low rpm until you have an even consistency.

Pour the mix onto the primed surface and spread using a gauge rake set at ¼ inch. Smooth slightly with a float or a trowel to remove rake lines or to detail as needed. Misting water onto the surface will aid in smoothing out the gauge rake lines. A simple garden sprayer works best. Coverage of TC-6 is about 25 square feet per batch at ¼ inch thick.

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Allow the mix to harden, until firm enough for stamping. Your hand should be able to slightly indent the surface, but the surface should not be too soft. When it is firm enough, spray the surface with CA-20 Stamp Release. Apply the release to the stamps as well. Place the stamps onto the surface and impress them slightly to create the necessary effect. Timing is everything. You should use caution if you are new to this process. Continue to mix, spread and stamp as you go, paying special attention to timing.

The product will dry at different rates depending on mixing, temperature, humidity and whether or not you are working in the shade or sun. At 55 degrees, stamping should be done in 3-5 hours, at 80 degrees, in as soon as 15-30 minutes.

Cutting and Detailing

After the Stamp-It™ has dried, locate all expansion joints as indicated by your tags or marks placed earlier. Snap lines and cut through the Stamp-It™ to honor all existing expansion joints. Scrape and grind all edges to give the installation a finished look. Rout all joints and perform any remaining repair or detailing of the surface. Grind joints back to virgin concrete.

Release Removal

Clean the surface using a mild degreaser, mild dish soap or TSP, to remove all of the release previously applied. A floor scrubber or power washer will help to loosen and remove the film.

WB Stain

Apply SC-35 using a pump sprayer, airless sprayer, HVLP sprayer, brush or broom. For a mottled effect, use water to pre-dampen the surface before, or in conjunction with the stain. Multiple colors and various amounts of water may be applied at the same time for a variegated finish. SC-35 can be applied in multiple coats to achieve a solid color. Water-Based Stain can be thinned using water, up to equal parts. Thinning will affect the depth of color and may require extra coats.

The coverage will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 150-250 square feet on rough surfaces. Product performs best if applied in thin, even coats. When temperatures are above 80 degrees, it may be necessary to dampen the surface prior to application to prevent material from drying instantly.

Sealer

Apply SC-70 Acrylic Lacquer Sealer 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. If rolled, neatly cut-in all edges with a brush and roll the center using a ½ inch to ¾ inch nap, good quality roller cover.

Dry Time

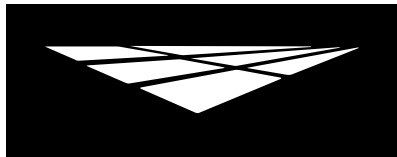
Allow 2 to 6 hours drying time at 70 degrees before permitting light pedestrian traffic. For best results, allow to cure for 24 hours before direct traffic is permitted or additional coats are applied. Allow 48 hours before heavy objects are placed on the surface and 72 hours before permitting vehicular traffic.

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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

- For textures requiring a more natural look, apply SC-42 WB Hybrid Acrylic Sealer.
- SC-65G WB Gloss Polyurethane Sealer, SC-65F WB Flat Polyurethane Sealer and SC-65SG WB Semi-Gloss Polyurethane Sealer can be used for a low odor, solvent free, mar and chemical resistant sealer.

Skid Resistance

- CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the final coat of sealer for added skid resistance.

Clean Up

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

Maintenance

Exterior surfaces can be swept daily with water and a broom. For tougher dirt or grease, use 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 diluted 100 grain vinegar onto the surface; be sure to rinse any residue.

The Stamp-It™ 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. Cements contain silicas; dust mask or respirator should be used when mixing, sanding or grinding.

If using solvent based products, they are extremely flammable. Extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

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.
- Rain will wash away uncured Westcoat acrylic products.
- If inclement weather threatens, cover deck to protect new application.
- Sealers will make the surface slippery, please be aware the texture of the surface and how the sealer will affect the look, feel and skid resistance.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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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