

westcoat®
SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

TC

TEXTURE COAT
DECORATIVE TEXTURED SURFACES

Texture-Crete®

Wood Finish

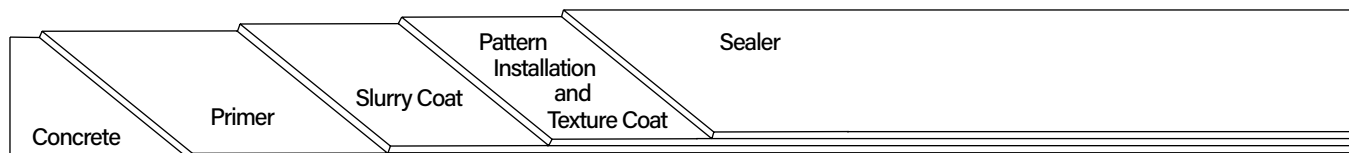
Description

Texture-Crete® Wood Finish is a series of polymer-modified cementitious coatings that are bonded to the concrete with a variety of optional finishes and sealers. Texture-Crete® Wood Finish is a decorative topping designed to change plain concrete into a very decorative, durable and textured finish. Texture-Crete® Wood Finish can produce the look of traditional decking finishes, like cedar, redwood or composite.

Uses

Texture-Crete® Wood Finish was created to resurface concrete that is aesthetically unattractive. Some uses include driveways, walkways, patios, garage floors, courtyards, entryways, showrooms and pool decks. Texture-Crete® Wood Finish can be installed in both the commercial and residential environment.

System Overview



System Data

Coverages	Primer	Slurry Coat	Texture Coat	WB Stain	Sealer
	250-350 ft² per gallon	150-200 ft² per batch	150-200 ft² per batch	150-400 ft² per gallon	200-300 ft² per gallon
Components	WP-47A Seam Tape EC-76 Cove Gel EC-11 Water-Based Epoxy WP-81 Cement Modifier TC-2 Smooth Texture Cement TC-40 Liquid Colorant CA-60 Grout Tape SC-35 Water-Based Stain SC-70 Acrylic Lacquer Sealer		Shelf Life		
			1 year		
			2 years		
			3 years		
			2 years		
			1 year		
			1 year		
			1 year		
			2 years		
			5 years		

Advantages

Cost Effective • Fast Drying • Low Maintenance • Long Lasting • Skid Resistant Finish Available
• Unlimited Colors • Exterior Applications • Can be Installed Solvent Free • 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. 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.

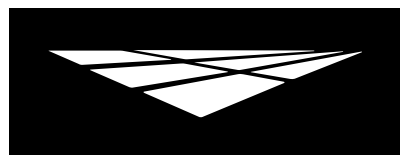
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Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 4% by weight using a concrete moisture meter (ASTM F2659) or if the relative humidity (RH) exceeds 75% (ASTM F2170), please refer to the EC-15 Moisture Vapor Barrier Product Specification Sheet.

Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Prepare concrete to a profile equal to CSP 3 as specified by ICRI. Methods may vary according to the thickness of the coating to be applied and the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface, use caution when shot blasting around pools, scarifying too aggressively, leaving grind marks or grinding too smooth.

Crack Treatment

Fill cracks with EC-76 Cove Gel. WP-47A Seam Tape may also be used to help reinforce, in which case the EC-76 should be placed into the tape and smoothed with a trowel or putty knife. Broadcast fine silica onto the wet epoxy to provide a surface for the Texture-Crete[®] to bond. EC-76 should be allowed to dry completely prior to the primer application.

For additional reinforcement, place WP-47H Fiberlath Heavy Duty over the dry EC-76. Mix four gallons of WP-90 Waterproofing Resin with one bag TC-5 Grout Texture Cement and trowel into the WP-47H. This is a remedial approach to patch cracks and there is no guarantee that cracks will not reappear.

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

Premix each component separately. In a clean bucket, mix 2 parts A with 1 part B (by volume) of EC-11. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. EC-11 can be thinned with water, up to 50%. After mixing, dip and roll or spray and back roll the EC-11 onto the surface at a rate of 250-350 square feet per gallon. Do not allow material to puddle. Allow EC-11 to become tacky and trowel slurry coat into tacky primer. Do not let the primer dry and shell over, as this may prevent the slurry coat from properly adhering. Alternatively, you can roll the EC-11. Immediately broadcast 30 grit silica sand to refusal and allow the EC-11 to dry (1-4 hours at 70F degrees). Remove all loose sand prior to installing the slurry coat.

Slurry Coat

Create the slurry coat by adding one bag of TC-2 Smooth Texture Cement with TC-40 Liquid Colorant of choice and one gallon of WP-81 Cement Modifier and up to ½ gallon of water into a clean mixing bucket. Mix until uniform with a mechanical mixer at a low rpm. Trowel the slurry mix into the damp primer over the surface to achieve a smooth finish. Each batch will cover 150-200 square feet. For best results, allow the Slurry Coat to dry overnight, prior to Pattern Installation.

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Pattern Installation

Decking or wood plank patterns can be achieved by applying CA-60 Grout Tape. The board or plank size and spacing can be varied from job to job, to give each installation a custom look. The best way to create a straight line is to pre-measure and mark your lines using a chalk box with white chalk. Place your Grout Tape on the outside edge of the chalk line, so the chalk line will be covered by the texture.

Texture Coat

Create a slurry coat by pouring $\frac{3}{4}$ gallons of WP-81 Cement Modifier and $\frac{3}{4}$ gallons of water in a clean mixing bucket and add one bag of TC-2 Smooth Texture Cement. Mix thoroughly with a mechanical mixer at a low rpm. Add desired TC-40 Liquid Colorant to the mix. Trowel the slurry mix over the surface to achieve a smooth finish. Each batch will cover 150-200 square feet. Once the slurry coat is dry, you may apply the texture.

To create the texture, pour $\frac{3}{4}$ gallons of WP-81 Cement Modifier and $\frac{3}{4}$ gallons of water in a clean mixing bucket and add one bag of TC-2 Smooth Texture Cement. Mix thoroughly with a mechanical mixer at a low rpm. Add desired TC-40 Liquid Colorant to the mix. Be sure to carefully rinse the container to remove all the colorant. Make sure to use the exact same amount of water and colorant for each mix and combine completely to maintain consistent color and texture.

Pour the mix onto the surface and squeegee or trowel at a rate of approximately 150-200 square feet per batch. Using a broom or brush, immediately broom through the material, leaving the desired wood grain finish. Wood knots and other elements can be carved, stamped or tooled into the Texture Coat as desired.

After the texture has hardened enough to walk on, scrape and/or slightly sand the surface to even out the look and feel of the texture. Be careful to sand or buff consistently and to not damage the texture. Vacuum any cement dust and debris. If CA-60 Grout Tape was applied, you may elect to remove the tape before you proceed to coloring options.

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.

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Sealer

SC-70 Acrylic Lacquer Sealer can be sprayed, brushed or rolled. If rolled, neatly cut-in all edges with a brush and roll the center using a good quality roller cover. Be sure to spread evenly in a "V" pattern rolling in both directions. Roll product as thin as possible at a rate of approximately 200-300 square feet per gallon. For a longer working time, SC-70 may be thinned up to 25% with CA-23 ThinCoat Medium Solvent.

Sealer Dry Time

You may re-coat as soon as the surface is dry to the touch in 1 to 4 hours, but no later than 24 hours. Light foot traffic may be permitted in 6 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures will increase drying time.

Optional Materials

Patching

- TC-30 Slope Mix can be used to patch and fill holes in concrete under the Texture-Crete System. Please read the TC Slope & Patch System Specification for details.

Primer

- WP-81 Cement Modifier diluted one part to four parts water, can be used in lieu of EC-11, when a cost-effective, acrylic primer is desired.
- EC-12 Epoxy Primer can be used in lieu of EC-11, when maximum adhesion and 100% solids epoxy is desired. When using EC-12, apply at 200-300 square feet per gallon and broadcast 30 grit silica sand to refusal.

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.
- TC-5 may be used in place of TC-2 for the Texture Coat, to achieve the color desired or for a heavier, non-skid texture.
- CA-16 Cement Decelerator can be added to the TC-2 to increase the working time.

Sealer Options

- CA-23 ThinCoat Medium Solvent may be added to the SC-70 to provide a longer working time.
- SC-70F can be used when a natural look, acrylic lacquer finish is required.
- For textures requiring a more natural look, apply SC-42 WB Hybrid Acrylic Sealer in lieu of SC-70 Sealer.
- For a low odor, solvent free, mar and chemical resistant sealer option, replace SC-70 Sealer with SC-65G WB Gloss Polyurethane Sealer, SC-65F WB Flat Polyurethane Sealer or SC-65SG WB Semi-Gloss Polyurethane 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.

* Please refer to Product and System Specification Sheets for additional information.

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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 Texture-Crete® 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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