



ABOUT TC INTERIOR:

Beautify your interior floor with TC Interior, a line of systems specifically designed for the interior environment. Add style to any decor: choose either a smooth or slightly textured finish, pick from a variety of color and pattern choices, and finish with a durable stain or high gloss sealer. Color with Acid Stains and Water-based Stains or simply trowel smooth for a sleek concrete look.



ULTRA-TOUGH. PROTECTIVE.

- Decorative
- Cost-effective
- Fast drying
- Low maintenance
- Durable
- Available skid-resistant finish
- Optional solvent-free installation
- Variety of colors and patterns
- Applied over existing concrete



FOR PROFESSIONAL USE ONLY.





RESIDENTIAL OR COMMERCIAL

Perfectly suited for interior living or office areas, TC Interior can add to the decor of any restaurant, dining area, game room, lobby, gallery, boutique, or kitchen.

FAST DRYING

Spend less time waiting. TC Interior systems dry quickly for added savings in time and labor.

SAFE INSTALLATION

Keep your customers satisfied. TC Interior systems stand up to traffic and require low maintenance. Finish with a satin topcoat for an easy to clean floor that hides dust and scuffs.

VARIETY

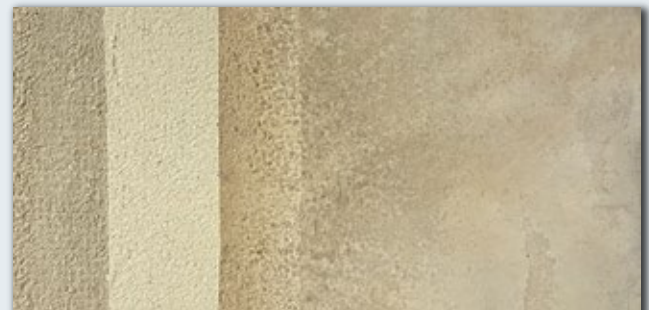
Unlimited colors and patterns will please even the most discriminating customers. TC Interior systems are also compatible with a variety of sealers in either a satin or gloss.

TC Interior



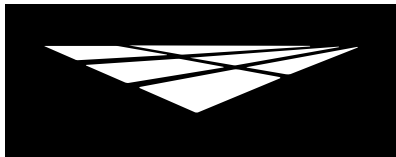
Primer Slurry Smooth Texture Stain Seal

TC Interior with Custom Finish



Primer Slurry Stain Gloss or Satin Sealer





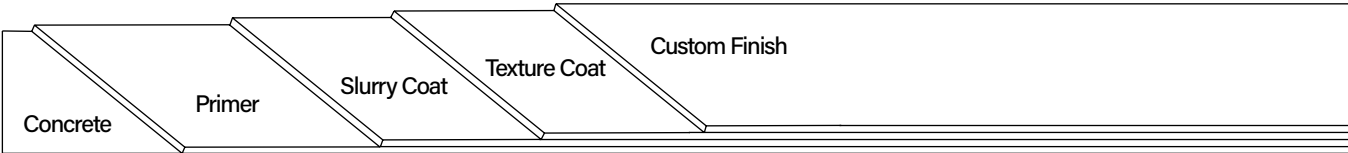
Description

Westcoat's Texture-Crete[®] Interior is a decorative topping designed to resurface plain concrete into a decorative and durable finish. The system is a series of polymer-modified cementitious coatings that are bonded to concrete. It is applied with a mild texture, colored with water-based stains and finished with a satin sealer to give a truly unique finished floor.

Uses

The Texture-Crete[®] Interior can be used in residential as well as commercial floors for pedestrian traffic. Texture-Crete[®] Interior is perfect for use in living areas, lobbies, offices, restaurants and hotels or wherever a decorative and durable floor finish concrete is desired.

System Overview

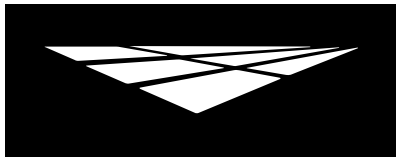


System Data							
Coverages	Primer 250-350 ft ² per gallon	Slurry Coat 200-250 ft ² per batch	Texture Coat 250-350 ft ² per batch	2nd Texture Coat 250-350 ft ² per batch	WB Stain 200-600 ft ² per gallon	EC-32 Sealer 300-500 ft ² per gallon	SC-65F Sealer 400-650 ft ² per gallon
Components	EC-76 Cove Gel EC-11 Water-Based Epoxy TC-2 Smooth Texture Cement TC-4 Fine Texture Cement WP-82 Low Odor Cement Modifier TC-40 Liquid Colorant SC-35 Water-Based Stain EC-32 Clear Epoxy Topcoat SC-65F WB Flat Polyurethane Sealer			Shelf Life 2 years 3 years 1 year 1 year 2 years 1 year 3 years 2 years 1 year			

Advantages

Cost Effective • Minimal Downtime • Low Maintenance • Long Lasting • Optional Skid Resistance • Unlimited Color Variations • Patterns • Can be Installed Solvent Free and Low VOC • Typically under 1/8 inch thick, can be feathered • May contribute to LEED credits

DISCLAIMER: PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



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SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

TC

TEXTURE COAT
DECORATIVE TEXTURED SURFACES

Texture-Crete[®] Interior Custom Finish

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.

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

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Cut, grind and bevel all termination points where traffic is expected. Prepare concrete to a profile equal to CSP 3 as specified by ICRI.

Crack Treatment

Fill cracks with EC-76 Cove Gel. WP-47-3 (3 inch 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 primer application.

For additional reinforcement, place WP-47 Fiberlath 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-47 Fiberlath. 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.

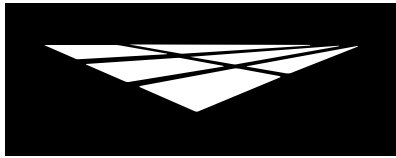
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DECORATIVE TEXTURED SURFACES

Texture-Crete[®] Interior Custom Finish

Slurry Coat

Create the slurry coat by combining 1 gallon of WP-82 Cement Modifier and up to ½ gallon of water in a clean mixing bucket, then add 1 bag of TC-2 Smooth Texture Cement or TC-4 Fine Texture Cement and TC-40 Liquid Colorant of choice. Mix until uniform with a mechanical mixer at a low rpm. Trowel the slurry mix over the surface to achieve a smooth finish. Apply the slurry coat continuously, keeping a “wet edge” and blend each new mix into the prior mix. After surface is dry, scrape or grind off any ridges or trowel marks. Coverage of the slurry coat is approximately 200 to 250 square feet per batch. You may sand before and after coats. A second slurry coat may be applied to create a more uniform surface.

Texture Coat

Combine one bag of TC-4 or TC-2 Cement with one gallon of WP-82 Cement Modifier and TC-40 Liquid Colorant of choice and mix thoroughly with a low rpm drill motor. Be sure to carefully rinse the container to remove all the colorant. Add up to ½ gallon of water to achieve the desired consistency. Make sure to use the exact same amount of water and colorant for each mix and combine completely to maintain consistent color and texture. Trowel the TC-4 as smooth or textured as desired. After the TC-4 has dried, lightly sand the surface with 120 grit or finer sand paper or sanding screen, to remove all trowel marks if desired. Vacuum the entire area to remove all dust. Apply a second coat of TC-4 following the directions above. Coverage of the TC-4 is approximately 250 to 350 square feet per batch.

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.

Based on the texture and desired color, the coverage will range from 200-600 square feet per gallon. 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.

Sealers

Mix 2 parts A with 1 part B (by volume) of Westcoat EC-32 Clear Epoxy Topcoat together for 3 to 5 minutes. Thin with 10% Westcoat CA-23 and apply at a rate of 300 to 500 square feet per gallon with a ¾ inch non-shedding, nap roller, using a brush to cut in. After the EC-32 has dried, lightly scrape or sand off any imperfections. If more than 24 hours have passed, the EC-32 must be sanded and wiped with acetone, prior to application of the SC-65F.

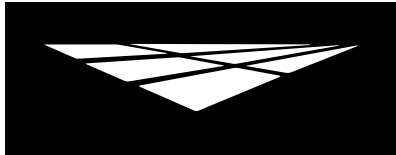
For SC-65F application, pre-mix each component separately. In a clean bucket, mix 3 parts A with 1 part B (by volume) of SC-65F Water-Based Flat Polyurethane Sealer. Mix thoroughly with a low speed (200-300 rpm) drill motor for 2-3 minutes. Make sure to scrape the sides and bottom of the container during mixing. Immediately after mixing, apply the SC-65F onto the substrate at the rate of 400-650 square feet per gallon. SC-65F can be sprayed or rolled. For best results, spray SC-65F neat, with an airless sprayer. SC-65F may be applied with a squeegee and back rolled with a ¼ to ⅜ inch, high-quality, non-shedding roller cover, being sure to maintain a wet edge. Alternatively, SC-65F can be applied with a dip and roll method, as desired.

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Texture-Crete[®] Interior Custom Finish

Dry Time

Allow a minimum of 12 hours at 70 degrees, before permitting light foot traffic. Normal traffic may be permitted after 24 hours. Allow 48 hours before placing heavy objects on the surface.

Optional Materials

Patching

- WP-90 Waterproofing Resin can be used with TC-5 and WP-47 Fiberlath when additional reinforcement is required. Please contact your Westcoat Representative for further information.
- 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-82 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 Modifier

- WP-81 can be used in place of WP-82 where odor is not an issue.

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.

Coloring Options

- SC-30 Acid Stain can be used in place of Water-Based Stain for a unique mottled look.

Sealer Options

- EC-95G Gloss Polyurethane Topcoat or EC-95F Flat Polyurethane Topcoat may be installed over the EC-32 for the ultimate high build, mar and chemical resistant finish, where odor and flammability is not an issue.
- SC-65G WB Gloss Polyurethane Sealer can be applied over the EC-32 for a low odor, solvent free, mar and chemical resistant sealer.
- SC-65SG WB Semi-Gloss Polyurethane Sealer can be applied over the EC-32 for a low odor, solvent free, mar and chemical resistant sealer.
- EC-101 Polyaspartic 100% Solids may be used in lieu of the EC-32 as a high gloss, quick dry, high build, mar and chemical resistant finish.

Skid Resistance

- CA-29 Mini Safe Grip or CA-30 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.

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.

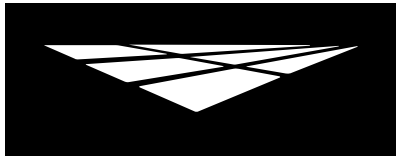
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Maintenance

Interior floors can be dust mopped daily or mopped using a neutral PH cleaner. For more information on floor care and maintenance, please refer to the General Maintenance sheet.

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.
- 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.
- Use dustless equipment when possible.
- Light wheel and foot traffic only.
- 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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SECTION 099726

CEMENTITIOUS COATINGS

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes: Provide a complete acrylic based cementitious coating system for concrete surfaces that meet the requirements for specific use indicated in the contract documents. Include all applicable substrate testing, surface preparation, and detail work.

1.02 RELATED SECTIONS

- A. Section 033000 – Cast-In-Place Concrete
- B. Section 090000 – Finishes

1.03 SUBMITTALS

- A. Submit under provisions of Section 013300.
- B. Product Data: Submit manufacturer's product data sheets on each product and system to be used including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements.
 - 3. Installation methods.
 - 4. Maintenance requirements.
- C. Selection Samples: For each system specified, provide two samples, representing manufacturer's full range of colors and patterns.

1.04 QUALITY ASSURANCE

- A. All materials used in the cementitious coating system shall be manufactured and provided by a single manufacturer to ensure compatibility and proper bonding.
- B. Use adequate numbers of skilled workmen that are thoroughly trained and experienced in the necessary crafts and completely familiar with the specified requirements and methods needed for proper performance of the work of this section.
- C. Contractor must have a minimum of three years experience installing cementitious coatings similar to that which is required for this project and who is acceptable to the manufacturer.
 - 1. Contractor must designate a single individual as project foreman who shall be on site at all times during installation.
 - 2. Contractor must show and have QCA Qualified Contractor/Applicator paperwork from the manufacturer of the coating system, as required to obtain a long-term jobsite specific warranty.
- D. Convene a pre-application meeting before the start of application of coating system. Require attendance of parties directly affecting work of this section, including: Architect, contractor, applicator, and authorized representative of the coating system manufacturer and interfacing trades. Review the following:
 - 1. Drawings and specifications affecting work of this section.
 - 2. Protection of adjacent surfaces.
 - 3. Surface preparation and substrate conditions.
 - 4. Application.
 - 5. Field quality control.
 - 6. Cleaning.

7. Protection of coating system.
8. Repair of coating system.
9. Coordination with other work.

1.05 DELIVERY, STORAGE & HANDLING

- A. Delivery: Materials shall be delivered to the job site in sealed, undamaged containers. Each container shall be clearly marked with manufacturer's label showing type of material, color, and lot number.
- B. Storage: Store all materials in a clean, dry place with a temperature range in accordance with manufacturer's instructions
- C. Handling: Handle products carefully to avoid damage to the containers. Read all labels and material safety data sheets prior to use

1.06 PROJECT SITE CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within the limits recommended by the manufacturer.
- B. 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), see EC-15 Moisture Vapor Barrier product specification.
- C. Concrete must be at least 2500 psi.
- D. Concrete must be cured for a minimum of 28 days before coating is applied.
- E. Schedule coating work to avoid excessive dust and airborne contaminants. Protect work areas from excessive dust and airborne contaminants during coating application.
- F. Before any work is started, the applicator shall examine all surfaces for any deficiencies. Should any deficiencies exist, the architect, owner or general contractor shall be notified in writing and any corrections necessary shall be made.

1.07 WARRANTY

- A. Upon completion of the work in this section provide a written warranty from the manufacturer against defects of materials for a period of 5 (five) years. To obtain project specific warranty the coating system applicator must be a Westcoat Qualified Contractor/ Applicator and apply for warranty.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable manufacturer: Westcoat Specialty Coatings; 4007 Lockridge Street, San Diego, CA 92102, San Diego, CA 92102. Telephone 800-250-4519. Fax 619-255-7187. Website: www.westcoat.com.

2.02 MATERIALS

- A. As basis of design Westcoat Texture-Crete Interior System (no substitutions will be accepted): A series of polymer modified cementitious coatings bonded to concrete and has a variety of optional finishes and sealers.

2.03 COMPONENTS

- A. Texture-Crete Interior System: Decorative cementitious coating designed for interior application.
 1. Primer: EC-11 Water Based Epoxy, 2 parts A to 1 part B (by volume). Primer applied at 250-350 square feet per gallon.
 2. Slurry Coat: Combine and mix one 50 pound bag of TC-5 Grout Texture Cement into 1 gallon of WP-82 Cement Modifier, and up to ½ gallon of water. Apply at 200-250 square feet per batch.

3. First Texture Coat: Combine and mix one 50 pound bag of TC-4 Fine Texture Cement, 1 gallon of WP-82 Cement Modifier, and up to ½ gallon of water. Apply texture by trowel at 250-350 square feet per batch.
4. Second Texture Coat: Combine and mix one 50 pound bag of TC-4 Fine Texture Cement, 1 gallon of WP-82 Cement Modifier, and up to 1 gallon of water. Apply texture by trowel at 250 to 350 square feet per batch.
5. Stain: SC-35 Water-Based Stain 200-600 square feet per gallon. SC-35 can be applied in multiple coats to achieve a solid color.
6. First Topcoat: Clear Epoxy Topcoat: EC-32 Epoxy Clear Topcoat 300-500 square feet per gallon.
7. Second Topcoat: SC-65F Water-Based Flat Polyurethane Sealer 400-650 square feet per gallon.

2.04 ACCESSORIES

A. Supplemental Materials:

1. Concrete repairs can be made with TC-23 Mortar Mix as needed.
2. Optional cove base: EC-76 Epoxy Cove Gel.
3. WP-47 Seam Tape for crack repair.
4. Optional aggregate: CA-30 Small Safe Grip, CA-31 Large Safe Grip or TC-65 Quartz Sand designed to meet the owners skid resistance requirements.
5. Optional primer: WP-81 Cement Modifier or EC-12 Epoxy Primer can be used in place of the EC-11 Water Based Epoxy.
6. SC-30 Acid Stain can be used in place of SC-35 Water Based Stain for a unique mottled look.
7. TC-2 Smooth Texture Cement may be used in place of TC-4 First Finish Coat and TC-4 Second Finish Coat.

Optional Topcoats:

8. SC-65G WB Gloss Polyurethane may be used over the EC-32 for a low odor, solvent free, mar and chemical resistant sealer.
9. SC-65SG WB Semi-Gloss Polyurethane may be used over the EC-32 for a low odor, solvent free, mar and chemical resistant sealer.
10. SC-65F WB Flat Polyurethane may be used over the EC-32, SC-65G Gloss, or SC-65SG Semi-Gloss for a low odor, solvent free, mar and chemical resistant sealer.
11. EC-95G Gloss Polyurethane may be used over the EC-32 for the ultimate high build, mar and chemical resistant gloss finish, where odor and flammability is not an issue.
12. EC-95F Flat Polyurethane may be used over the EC-32 or the EC-95G for the ultimate high build, mar and chemical resistant flat finish, where odor and flammability is not an issue.
13. EC-101 Polyaspartic 100% Solids may be used in place of the EC-32 as a high gloss, quick dry, high build, mar and chemical resistant finish.

2.05 SOURCE QUALITY CONTROL

A. Verification of Performance

1. Physical Properties: The finish Texture Coat System shall have the following approximate performance characteristics:

a. Bond Strength to concrete (ASTM C297)	278 PSI
b. Bond Strength after accelerated aging (ASTM C756)	249 PSI
c. Abrasion Test (ASTM D1242)	11% reduction
d. Freeze thaw on concrete (ASTM C67)	171 PSI
e. Concentrated load (AC39)	No apparent damage
f. Water absorption (ASTM D570)	6.5%
g. Percolation test (AC39 Sec. 4 G)	.25 inches
h. Tensile Strength (ASTM C190-85)	855 PSI
i. Compressive Strength (ASTM C109-88)	5690 PSI
j. Flexural Strength	1835 PSI
k. Impact Strength	22 in/lbs.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions.
 - 1. Inspect all surfaces to receive epoxy flooring. Verify that surfaces are dry, clean, and free of contaminants that would prevent epoxy flooring from properly adhering to the surface.
 - 2. Conduct calcium chloride testing according to ASTM F1869
 - 3. Before starting work, report in writing to the authority having jurisdiction any unsatisfactory conditions.

3.02 SURFACE PREPARATION

- A. Prepare surfaces using methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Clean Surfaces thoroughly prior to installation.
- C. Prepare concrete to a profile equal to CSP 3 as specified by ICRI.
- D. Rout and clean moving cracks and joints: fill with manufacturer's recommended flexible epoxy filler material.
- E. Repair any non-moving surface deviations with manufacturer's recommended patching material.

3.03 INSTALLATION

- A. Install coatings in accordance with manufacturer's instructions.
- B. Mix all materials in accordance with manufacturer's instructions.
- C. Use application equipment, tools, and techniques in accordance with manufacturer's instructions.
- D. Uniformly apply coatings at spread rates and in number of coats to achieve specified coverage.
- E. Adhere to all limitations, instructions, and cautions for cementitious coating as stated in the manufacturer's published literature.

3.04 FIELD QUALITY CONTROL

- A. Verify coatings and other materials are as specified.
- B. Verify coverages and finish of the system as work progresses.
- C. Manufacturer's representative shall provide technical assistance and guidance for surface preparation and application of coating systems.

3.05 PROTECTION AND CLEAN-UP

- A. Installation areas must be kept free from traffic and other trades during the application procedure and cure time.
- B. Protect finished surfaces of coating system from damage during construction.
- C. Touch-up, repair or replace damaged flooring system after substantial completion.
- D. Clean area and remove all debris upon completion of work. Dispose of empty containers properly according to current local, state and federal regulations.
- E. Allow material to cure 4 to 6 hours before light pedestrian traffic is permitted, 24 hours before heavy traffic.

3.06 MAINTENANCE

- A. Contractor shall provide to owner, maintenance and cleaning instructions for the cementitious coating system upon completion of work. Owner is required to clean and maintain the surfaces to maintain manufacture's warranty.

END OF SECTION

This guide specification has been prepared by Westcoat Specialty Coating Systems to assist design professionals in developing a project specific specification. This guide is a template that must be reviewed and adapted by specifiers to comply with project requirements. This guide specification is not to be copied directly into a project specification manual without review.



Applied over TC-4 Fine Texture Cement



Shale | 516



Armor | 514



Onyx | 509



Sienna | 513



Copper | 508



Adobe | 515



Sahara | 518



Umber | 521



Olive | 520



Camel | 505



Sepia | 511



Mahogany | 501

Not shown but also available in Ivory | 517



CAUTION:

Color will vary between products and sheens. This chart is for reference only.
Please request an actual color sample or apply sample on site before beginning any project.

