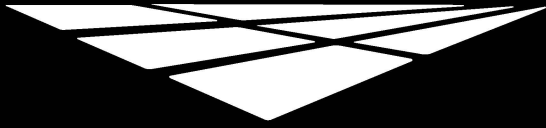


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# MACOAT™ CUSTOM



**WATERPROOF**  
RELIABLE MOISTURE BARRIERS



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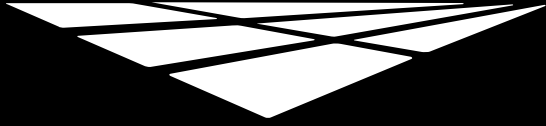
# **MACOAT CUSTOM SUBMITTAL PACKAGE**

**DIVISION 7 – THERMAL AND MOISTURE PROTECTION  
SECTION 07 18 13 PEDESTRIAN TRAFFIC COATINGS  
CONCRETE SURFACES**

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# **SYSTEM BROCHURE**



ER 587



## ABOUT MACOAT:

MACoat™ is a fiberlath reinforced deck system, engineered for use on above grade concrete and reinforced plywood decks. MACoat is commonly specified for the restoration of elevated walking surfaces. This waterproofing system delivers superior durability for multi-family, commercial and residential buildings. Different from most urethane coatings, it allows water vapor to migrate up and pass through the coating, while still shedding liquid water from off the top.



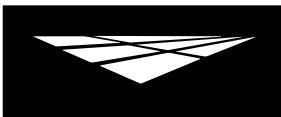
## REBUFFS RAIN, SNOW + SPILLS.

- Extensive Testing and Certifications
- Permeable Waterproofing
- Flexible
- Fast Drying
- Cost Effective
- Low VOCs - Environmentally Safe Acrylics
- Solar Reflective Option is CRRC approved.



**FOR PROFESSIONAL USE ONLY.**





**IAPMO ER-587 • Class A Fire Rating (over concrete) • City of Los Angeles Approval  
Meets AC-39 Standards for Walking Decks • Class III Permeable Vapor Retarder (ASTM E96)  
Berkeley Analytical - Certificate No: 170824-01**

**Lightweight**

Designed for use on elevated concrete and many plywood walking decks, MACoat weighs less than one pound per square foot when installed.

**Waterproof**

A combination of our fiberlath, a proprietary acrylic waterproofing resin mixed with a specially formulated cement, and sealed with an acrylic topcoat, MACoat provides long-lasting protection.

**Helps eliminate slipping**

Ensure safe pedestrian traffic in a variety of conditions. MACoat's textured finish provides a skid resistant surface for added safety.

**Fast access after installation**

Spend less time waiting. MACoat dries quickly for fast access during and after installation.

**Great for old or new surfaces**

Easily rehabilitate problem surfaces. In many cases, MACoat can be applied over existing deck systems, saving time and labor. MACoat works equally well on new surfaces and comes in a wide variety of colors and textures.

**Versatile**

Install over concrete or reinforced plywood. MACoat Underlayment waterproofing system also available.

**MACoat Standard**



Substrate Fiberlath Base Coat Slurry Coat Pigmented Acrylic Topcoat

**MACoat Custom**



Substrate Fiberlath Base Coat Slurry Coat Grout Coat Texture Coat, Stain and Sealer

**MACoat Underlayment**



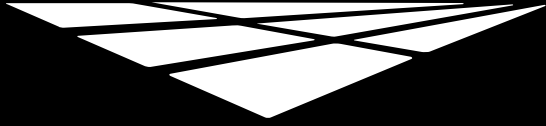
Primer Sheet Membrane MACoat Application



**HAVE A QUESTION? GET IN TOUCH:**

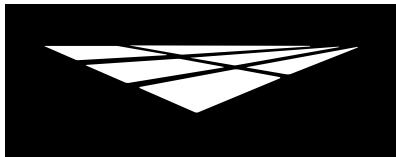
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# **SYSTEM SPECIFICATION SHEET**



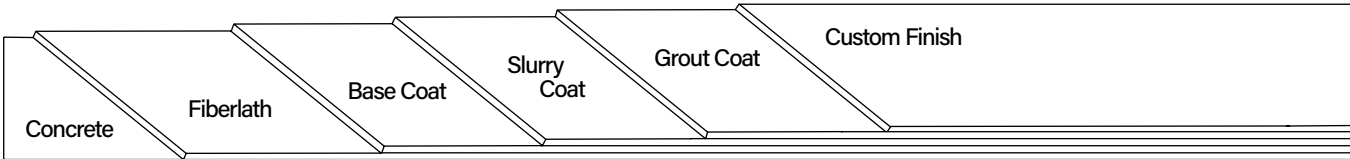
**Description**

The MACoat™ Custom Finish System is a fiberlath reinforced deck system installed with a series of four or five separate waterproof acrylic applications and sealed with one of Westcoat’s clear sealers. The MACoat™ Custom Finish gives the look and feel of slate, flagstone or tile. The finished product weighs approximately one pound per square foot.

**Uses**

The MACoat™ Custom Finish is mainly used on elevated concrete walking decks. MACoat™ Custom Finish is designed for balconies, corridors, stairs and landings. It is regularly specified for homes, hotels, condominiums, apartments, office buildings and is suitable for parking structures with vehicular traffic. In many cases, it can be applied over existing deck systems to provide an excellent method for the rehabilitation of problem surfaces.

**System Overview**

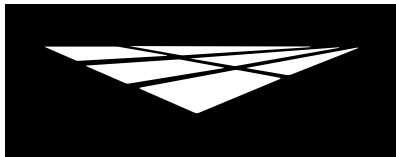


System Data						
<b>Coverages</b>	<b>Base Coat</b> 240-275 ft <sup>2</sup> per batch	<b>Slurry Coat</b> 300-350 ft <sup>2</sup> per batch	<b>Grout Coat</b> 100-150 ft <sup>2</sup> per batch	<b>Texture Coat</b> 150-200 ft <sup>2</sup> per batch	<b>WB Stain</b> 150-400 ft <sup>2</sup> per gallon	<b>Sealer</b> 200-300 ft <sup>2</sup> per gallon
<b>Components</b>	<a href="#">WP-51 Polyurethane Sealant</a> <a href="#">EC-72 Epoxy Patch Gel</a> <a href="#">WP-47 Fiberlath</a> <a href="#">WP-47-3 Seam Tape</a> <a href="#">WP-90 Waterproofing Resin</a> <a href="#">WP-81 Cement Modifier</a> <a href="#">TC-1 Basecoat Cement</a> <a href="#">TC-2 Smooth Texture Cement</a> <a href="#">TC-5 Grout Texture Cement</a> <a href="#">TC-40 Liquid Colorant</a> <a href="#">SC-70 Acrylic Lacquer Sealer</a>			<b>Shelf Life</b> 1-2 years 2 years 5 years 1 year 2 years 2 years 1 year 1 year 1 year 1 year 5 years		

**Advantages**

Flexible • Durable • Fast Access After Installation • Choice of Colors and Textures • Tough Final Coat is UV Resistant • Safe, Skid Resistant Textured Finish • Environmentally Safe Acrylics • Waterproof

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### **Inspection**

Concrete must be a minimum of 2 inches thick. It 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. Decks should meet local building code.

### **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**

Prepare concrete to a profile equal to CSP 3 as specified by ICRI. Over existing coating, abrade the surface and do an adhesion test. For rough concrete, a slurry coat may be applied. Create the slurry coat by adding one gallon of WP-81 Cement Modifier and up to ½ gallon of water into a clean mixing bucket and add one bag of TC-1 Basecoat Cement. Mix until uniform with a mechanical mixer at a low rpm. Trowel the slurry mix over the surface to achieve a smooth finish. Coverage of the slurry coat is between 100-150 square feet per batch. Using a brush wet with water, feather all outside edges. After surface is dry (usually 30 minutes to 2 hours at 70 degrees), scrape or grind off any ridges or trowel marks. Applied prior to the MACoat™ installation.

### **Concrete Expansion Joints**

Moving expansion joints should be honored and filled with a 2 part urethane sealant (approved by Westcoat). Sides of joints should be cleaned and applied per joint sealant manufacturer's recommendation after the MACoat™ process is completed.

### **Concrete Seams and Cracks**

Cracks greater than 1/32 inch should be routed out 1/4 x 1/4 inch. Install WP-47-3 Seam Tape over all cracks and seams. Apply EC-72 Epoxy Patch Gel into the tape with a trowel or putty knife to smooth and broadcast with 30 grit silica sand to allow adhesion of the coating. Allow EC-72 3-4 hours to cure before the next coat. 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.

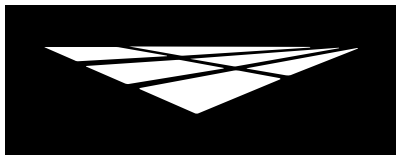
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### Primer Requirements

Priming is not required over properly prepared concrete or plywood. When coating over an existing surface, prime with EC-11 Water Based Epoxy at the rate of 300 square feet per gallon and broadcast with 30 grit or 60 grit silica sand to increase adhesion of the next coat.

### Flashing

Flashing should be set in a bed of EC-72 and nailed only as needed. The vertical portion of the wall to deck flashing should be nailed at all studs, after the epoxy base has cured. Overlap all seams at least 4 inches. Caulk between overlapped flashing, as well as the seam, with WP-51 Polyurethane Sealant. (Note: If the flashing is not bonderized, it must be prepared in accordance with SSPC-SP11 surface preparation standards, in order for the coating to adhere properly).

### Base Coat

Lay out WP-47 Fiberlath reinforcing mesh on the deck, overlapping the seams approximately 2 inches. Combine one bag of TC-1 Basecoat Cement with five gallons of WP-90 Waterproofing Resin. This mix is larger than five gallons, so if wanting to use a five gallon pail to mix, combine 25 pounds of TC-1 with 2 ½ gallons of WP-90 by volume and mix with a mechanical mixer until uniform. Pour the mixture into the WP-47, trowel thin and smooth at the coverage rate of 240-275 square feet per batch. Use a paintbrush to spread the base coat on the flashing, making sure to get the mixture into the seams and corners. Using a brush, wet with water, feather all outside edges. Allow surface to dry for 1-4 hours at 70 degrees. Scrape off any high spots or ridges that may inhibit application of a smooth texture coat. Trim any mesh that is showing on perimeters after the material has hardened.

Note: Should deck coating not be completed in one phase or to allow for other construction trades, deck should be covered and protected to avoid being damaged and to keep clean. It may be necessary to power wash the deck to dislodge any construction debris or any other foreign matter.

### Feather Patch

Smooth all seams or imperfections by mixing one bag TC-1 with five gallons of WP-90 (For five gallon pail mix, combine 25 pounds of TC-1 with 2 ½ gallons of WP-90). Patch all areas where fiberlath is not laminated flat or any visible seams or overlaps. Feather these patches with a paintbrush and water. Scrape or sand all the patches.

### Slurry Coat

Mix one bag TC-1 with five gallons of WP-90 (see Base Coat instructions for five gallon mix) and trowel the entire surface smooth and as thin as possible, approximately 300 to 350 square feet per batch. For easier application, you may add up to 1 quart of water to help loosen up the mix. After the texture has dried (30 minutes to 1 hour), lightly scrape any trowel marks and vacuum the surface clean.

### Grout Coat

Pour 1 gallon of WP-81 Cement Modifier and up to ½ gallon of water in a clean mixing bucket and then add the TC-5 Grout Texture Cement and TC-40 Liquid Colorant of choice. Mix thoroughly with a low rpm drill motor. Coverage of the slurry coat is between 150-200 square feet per batch. For best results, allow slurry to dry overnight, prior to pattern installation.

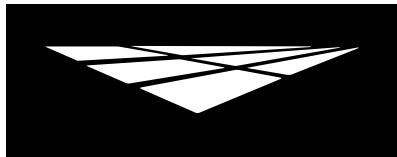
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### **Pattern Installation (Optional)**

For a Flagstone look, simply peel the CA-50 Stone Strips and apply to the grout coat in a simulated flagstone pattern. Take time to lay out the pattern and inspect for consistency prior to application of the texture coat. If the pattern is not desirable, remove and apply new Stone Strips.

Tile Patterns can be achieved by applying CA-60 Grout Tape in a tile pattern. The tile size and the grout line size can be varied from job to job, to give each installation a custom look. The best way to achieve a straight line is to pre-measure tile size 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 Skip Trowel**

Pour one gallon of WP-81 Cement Modifier in a clean mixing bucket and add one bag of TC-2 Smooth Texture Cement. Mix thoroughly with a low rpm drill motor. Add desired TC-40 Liquid Colorant to the mix. 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.

Pour the mix onto the surface to be textured. Using a skip trowel method, trowel the area with a rounded pool trowel. Wipe the trowel clean with a wet rag as needed. Trowel consistently and continuously, being sure to keep a wet edge. Make sure to trowel the entire surface the same way throughout the project. Coverage of the texture coat is between 150-200 square feet per batch. If you are unsatisfied with the results, scrape off immediately and re-apply.

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. A floor buffer with 80-100 grit sand paper is helpful for large areas. Be careful to sand or buff consistently and not to damage the texture. Sweep and wash off the excess cement dust and debris. If a taped pattern was installed using Grout Tape or Stone Strips, you may elect to remove them before you proceed to coloring options. Vacuum off the excess cement dust and debris.

### **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.

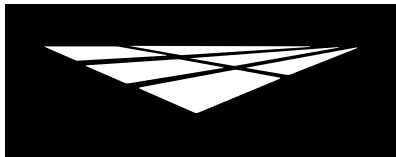
The coverage will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 150-250 square feet on rough surfaces. Product performs best if applied in thin even coats. When temperatures are above 80 degrees, it may be necessary to dampen the surface prior to application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

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### Sealer

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. Be sure to spread evenly in a "V" pattern, rolling in both directions. Roll product as thin as possible. If spraying, use Hudson type sprayer after thinning. Thin SC-70 with up to 25% Westcoat CA-23 for better absorption, increased coverage, longer working time or when spraying.

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. See Product Specification Sheets detailed instructions on these products.

### Optional Materials

#### Basecoat Options

- For increased waterproofing, when applying basecoat into fiberlath, replace WP-90 with WP-91. Mix at four gallons of WP-91 to one 50 lb bag of TC-1 and add up to 1 gallon of water to aid in application.

#### 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.

#### Sloping

- Westcoat Slope Technique may be used if additional sloping is required. Please contact your Westcoat Representative for further information.

### Clean Up

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

### Maintenance

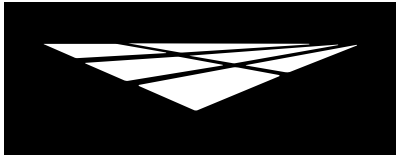
Exterior surfaces can be swept daily with water and a broom. For tougher dirt or grease, use degreaser diluted with water 20:1 and a soft bristle brush or broom. Be sure to rinse well. To remove calcium or lime build up, brush diluted 100 grain vinegar onto the surface; be sure to rinse any residue. The MACoat™ System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat sealer every 3 to 5 years depending upon traffic and UV exposure. Contact the original Installer of Westcoat for complete re-coating instructions.

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### 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.

Solvent based products 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

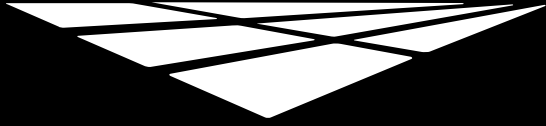
Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors 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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# **CSI SPECIFICATION**



**DIVISION 7 – THERMAL AND MOISTURE PROTECTION  
SECTION 071813 PEDESTRIAN TRAFFIC COATINGS  
PLYWOOD & CONCRETE SURFACES**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section includes: Provide a complete acrylic modified cementitious waterproof system for concrete and reinforced plywood 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. Specified elsewhere:

1. Section 07 24 00 Exterior Insulation and Finish Systems
2. Section 09 97 23 Concrete and Masonry Coatings
3. Section 09 97 26 Cementitious Coatings
4. Section 07 01 10.81 Waterproofing Replacement
5. Section 07 10 00 Damproofing and Waterproofing
6. Section 07 14 00 Fluid Applied Waterproofing
7. Section 03 00 00 Concrete
8. Section 04 00 00 Masonry
9. Section 07 14 16 Cold Fluid Applied Waterproofing
10. Section 07 16 13 Polymer Modified Cement Waterproofing
11. Section 03 35 00 Concrete Finishing
12. Section 09 09 00 Finishes
13. Section 09 94 00 Decorative Finishing

**1.03 REFERENCES**

- A. IAPMO – ER-587  
B. California Building Code (2019 CBC) & Residential Code (2019 CRC)  
C. City of Los Angeles Building Code (2020 LABC) & Residential Code (2020 LARC)

**1.04 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 sets of samples and color charts representing manufacturer's full range of colors and patterns.

**1.05 QUALITY ASSURANCE**

- A. All materials used in the pedestrian traffic system shall be manufactured and provided by a single manufacturer to ensure compatibility and proper bonding.
- B. Use adequate numbers of skilled workmen 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 shall have a minimum of 3 years experience installing pedestrian traffic coatings of this type which is required for this project and who is acceptable to the manufacturer.
  - 1. Applicator shall 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. Protection of coating system.
  - 7. Repair of coating system.
  - 8. Coordination with other work.

#### 1.06 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.

#### 1.07 PROJECT SITE CONDITIONS

- A. Maintain environmental conditions (temperature and weather) 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 a minimum of 2 inches thick
- E. Concrete must be cured for a minimum of 28 days before coating is applied.
- F. Schedule coating work to avoid rain and excessive dust and airborne contaminants. Protect work areas from moisture and excessive airborne contaminants during coating application.
- G. 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.

#### 1.08 WARRANTY

- A. Upon completion of the work in this section provide a written warranty from the manufacturer against defect 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. Telephone 800-250-4519. Fax 619-255-7187. Website: www.westcoat.com.

## 2.02 MATERIALS

- A. As basis of design Westcoat MACoat Custom Finish System (no substitutions will be accepted): Waterproof walking deck system that is reinforced with fiberlath and installed with a series of two or three separate polymer-modified cementitious applications, and sealed with acrylic lacquer sealer.

## 2.03 COMPONENTS

- A. MACoat Custom Finish System: Waterproof walking deck system for use over concrete and plywood substrates, or existing coating, IAPMO ER-587
1. Fiberlath: Place WP-47 Fiberlath over entire deck overlapping seams 2 inches.
  2. Base Coat: Combine one 50 pound bag of TC-1 Base Coat Cement and 5 gallons of WP-90 Waterproofing Resin. Apply by trowel at 220-260 square feet per batch.
  3. Feather Patch: Combine one 50 pound bag of TC-1 Base Coat Cement and 5 gallons of WP-90 Waterproofing Resin. Apply by paintbrush or trowel to smooth all seams or imperfections where fiberlath is not laminated flat, or where seams and overlaps are visible.
  4. Slurry Coat: Combine one 50 pound bag of TC-1 Base Coat Cement, 5 gallons of WP-90 Waterproofing Resin, and up to 1 quart of water. Apply by trowel at 250-320 square feet per batch.
  5. Grout Coat: Combine one 50 pound bag of TC-5 Grout Texture Cement, or TC-2 Smooth Textured Cement combined with TC-40 Liquid Colorant of choice (1-4 ounces), into 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. Apply at a rate of 150-200 square feet per gallon.
  6. Optional Flagstone Pattern Installation: CA-50 Stone Strips applied to the grout coat in a simulated flagstone pattern.
  7. Optional Tile Pattern Installation: CA-60 Grout Tape applied to grout coat in a simulated tile pattern.
  8. Texture Skip Trowel: Combine on 50 pound bag of TC-2 Smooth Textured Cement, or TC-5 Grout Texture Cement combined with TC-40 Liquid Colorant of choice (1-4 ounces), into 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. Apply at a rate of 150-200 square feet per gallon.
  9. Water-Based Stain: Apply SC-35 Water-Based Stain at a rate of 150-400 square feet per gallon.
  10. Sealer: SC-70 Acrylic Lacquer Sealer applied by spraying, brushing, or rolling at a rate of 200-300 square feet per gallon.

## 2.04 ACCESSORIES

- A. Supplemental Materials:
1. Flashing shall be minimum 26 gauge bonderized sheet metal. 4 inch by 4 inch at wall to deck juncture and 2 inch by 4 inch drip edge at outside perimeter of deck.
  2. Drains shall be one piece deck drains with flange such as, by Thunderbird Products.
  3. Sealant shall be Westcoat WP-51 Polyurethane Sealant.
  4. Patching materials shall be EC-72 Epoxy Patch Gel.
  5. Concrete repairs can be made with TC-23 Mortar Mix as needed.
  6. Westcoat Slope Technique may be used when additional sloping is required.
  7. Westcoat WP Wrap can be used to provide additional waterproofing with reinforcement, along the perimeter of decks, over flashing and other challenging areas.
  8. WP-82 Cement Modifier Low Odor can be used in lieu of WP-81, when a lower odor option is required.
  - 9.. CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the SC-10 Acrylic Topcoat for added skid resistance.
- Optional Topcoats:



9. SC-65G WB Gloss Polyurethane may be used IN LIEU of SC-70 when a low odor, solvent free, mar and chemical resistant gloss finish is required.
10. SC-65SG WB Semi-Gloss Polyurethane may be used IN LIEU of SC-70 when a low odor, solvent free, mar and chemical resistant semi-gloss finish is required.
11. SC-65F WB Flat Polyurethane may be used OVER the SC-65G Gloss or SC-65SG Semi-Gloss, when low odor, solvent free, mar and chemical resistant flat finish is required.
12. EC-95G Gloss Polyurethane Topcoat may be used IN LIEU of SC-70 when a gloss, solvent-based polyurethane is required.
12. EC-95F Flat Polyurethane Topcoat may be used OVER EC-95G when a flat, solvent-based polyurethane topcoat is required

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verification of conditions.
  1. Inspect all surfaces to receive the pedestrian traffic system. Verify that surfaces are dry, clean, and free of contaminants that would prevent coating system from properly adhering to the surface.
  2. Verify that substrates have ¼ inch slope per lineal foot.
  3. Before starting work, report in writing to the owner any unsatisfactory conditions.

### **3.02 SURFACE PREPARATION**

- A. General:
  1. Prepare surfaces using methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Plywood substrate:
  1. Provide minimum 3/4 inch CDX exterior grade plywood.
  2. Plywood shall have a maximum joist span of 16 inches.
  3. Deflection should be less than L/480.
  4. Plywood seams shall be reinforced with WP-47-3 Seam Tape. Apply WP-51 Polyurethane Sealant, EC-72 Epoxy Patch gel into the tape with a putty knife to smooth. Broadcast with 30 silica sand to increase adhesion of next coat.
- C. Concrete substrate:
  1. Create a surface profile by grinding, water blasting, or shot blasting to achieve a surface profile equal to CSP 3 as specified by ICRI.
  2. Rout and clean cracks and static joints: fill with manufacturer's recommended flexible epoxy filler material.
  3. Honor all moving and expansion joints. Seal with manufacture's recommended joint sealant.
  4. 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 pedestrian coatings 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

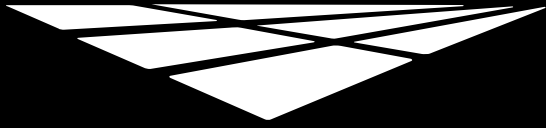
- A. Installation areas must be kept free from traffic and other trades during the application procedure and cure time.
- B. Protect finished surfaces of coating system from damage during construction.
- C. Touch-up, repair or replace damaged coating system after substantial completion.
- D. Clean area 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 and an additional 48 hours before heavy objects are placed on the surface.

### 3.06 MAINTENANCE

- A. Contractor shall provide to owner, maintenance and cleaning instructions for the floor system upon completion of work. Owner is required to clean and maintain the surfaces to maintain manufacturer'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.*



**westcoat**®

# **EVALUATION REPORT**



**WESTCOAT**  
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### WESTCOAT ALX STANDARD, ALX CUSTOM, ALX PRO STANDARD, ALX PRO CUSTOM, AND MACOAT SYSTEMS

#### CSI Sections:

- 07 18 13 Pedestrian Traffic Coatings
- 07 30 05 Roofing Felt and Underlayment

#### 1.0 RECOGNITION

The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems recognized in this report have been evaluated for use as walking deck and roof covering systems. The durability, roof fire classification, fire-resistance-rating, and wind uplift resistance properties of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems comply with the intent of the provisions of the following codes and regulations:

- 2021, 2018, 2015, 2012, and 2009 International Building Code® (IBC)
- 2021, 2018, 2015, 2012, and 2009 International Residential Code® (IRC)
- 2022 California Building Code (CBC) – attached Supplement
- 2022 California Residential Code (CRC) – attached Supplement
- 2023 City of Los Angeles Building Code (LABC) – attached Supplement
- 2023 City of Los Angeles Residential Code (LARC) – attached Supplement

#### 2.0 LIMITATIONS

Use of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems recognized in this report is subject to the following limitations:

**2.1** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall be manufactured, identified, and installed in accordance with this report and the applicable code. In case of a conflict, the more restrictive governs.

**2.2** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall be

installed on slopes not less than ¼-inch per foot (2-percent slope).

**2.3** The supporting structure shall be designed to support the loads and is outside the purview of this report.

**2.4** Connection of deck perimeter flashing to substrates shall be designed to meet all applicable code requirements.

**2.5** The use of the MACoat System over plywood for fire-resistance ratings is outside the purview of this report.

**2.6** Installation of WP-40 Sheet Membrane, when used as an ice barrier, is limited to roof slopes of 2:12 (16.67 percent) and greater. When used as a component of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom Systems, the slope shall comply with Sections 2.2 and 3.2 of this report.

**2.7** Installation of the WP-40 Sheet Membrane with roof coverings shall be mechanically fastened through the underlayments to the sheathing or rafters, and when used as a component of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom Systems as described in this report.

**2.8** Installation of the WP-40 Sheet Membrane is limited to roof with attics or rafter spaces that are ventilated and comply with the requirements of the applicable code.

**2.9** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems are manufactured in San Diego, CA.

#### 3.0 PRODUCT USE

**3.1 General:** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom Systems recognized in this report are cementitious walking deck and roof covering systems used directly over plywood and the MACoat System is used directly over concrete substrates.

**3.1.1** The WP-40 Sheet Membrane is a self-adhering reinforced modified bituminous membrane used as an alternative to an ice barrier as required in Chapter 15 of the IBC or Chapter 9 of the IRC. The WP-40 Sheet Membrane, when used with the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom Systems, complies with the requirements of Acceptance Criteria for Self-Adhered Roof Underlayments for Use as an Ice Barrier (AC48) and Acceptance Criteria for Roof Underlayments (AC188).

**3.2 Fire Classification Roof Assemblies:** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems are components of Class A roof assemblies when installed in accordance with this report at a minimum slope of ¼ :12 (2-percent slope).

*The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.*





### 3.3 One-hour Fire-resistance-rated Floor(Roof)/Ceiling Assemblies:

**3.3.1 ALX Standard and Custom Systems:** The Westcoat ALX Standard and ALX Custom Systems, when installed in accordance with Section 3.5 of this report over minimum  $\frac{5}{8}$ -inch-thick exterior-grade plywood, with nominal 2-by-8 solid sawn lumber joists spaced at 16 inches on center maximum with all plywood joints blocked, may be used in place of the double wood floor described in Construction 13 of 2021, 2018, 2015, and 2012 IBC Table 721.1(3) [2009 IBC Table 720.1(3)]. Ceiling construction shall comply with Item Numbers 13-1.1 to 13-1.4 of 2021, 2018, 2015, and 2012 IBC Table 721.1(3) [2009 IBC Table 720.1(3)].

**3.3.2 ALX Pro Standard and Pro Custom Systems:** The Westcoat ALX Pro Standard and Pro Custom Systems, when installed in accordance with Section 3.5 of this report over minimum  $\frac{5}{8}$ -inch-thick exterior-grade plywood, with nominal 2-by-10 solid sawn lumber joists spaced at 16 inches on center maximum with all plywood joints blocked, may be used in place of the double wood floor described in Construction 13 of 2021, 2018, 2015, and 2012 IBC Table 721.1(3) [2009 IBC Table 720.1(3)]. Ceiling construction shall comply with Item Numbers 13-1.1 to 13-1.4 of 2021, 2018, 2015, and 2012 IBC Table 721.1(3) [2009 IBC Table 720.1(3)].

**3.4 Wind Resistance:** Installation to plywood is limited on structures with a maximum height of 40 feet, for use in Exposure B areas subject to the following:

- A basic wind speed of 130 miles per hour under the 2021 IBC and 2018 IBC.
- A maximum design wind speed of 130 miles per hour under the 2021 IRC, 2018 IRC, 2015 IBC, 2015 IRC, and 2012 IBC.
- A maximum of 100 miles per hour nominal design 3-second-gust basic wind speed under the 2009 IBC, and 2012 and 2009 IRC.

The maximum allowable wind loads are limited by the capacity of the deck construction. The decking shall be designed to withstand wind pressures in accordance with Section 1609.5.1 of the IBC or Section R301.2.1 of the IRC.

### 3.5 Installation:

#### 3.5.1 Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom:

**a) General:** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom walking deck and roof covering systems shall be installed in accordance with this report, the manufacturer's published installation instructions, and the applicable code. In case of a conflict, the more restrictive governs.

The system shall be applied where an ambient and surface temperature range of 50°F to 90°F is available for 24 hours. Materials shall not be applied when subject to wet weather. Substrates and all coating surfaces shall be structurally sound, clean, and dry. The minimum finished deck slope shall be  $\frac{1}{4}$  inch per 1 foot (2-percent slope). Additional installation details are shown in Table 1 of this report.

**b) Plywood Substrates:** Plywood substrates shall comply with Section 4.1.2 (k) of this report. All edges shall be blocked. Face plies shall be perpendicular to the supports. The plywood shall be attached to all blocking and end bearing framing with wood screws, screw- or ring-shank nails equivalent to 8d common nails. The plywood shall be installed at a maximum span of 16 inches on center. The plywood shall be dry, clean, and free of any foreign material such as oil, dust, grease, or paint.

**c) WP-40 Sheet Membrane:** The WP-40 Sheet Membrane complying with Section 4.1.2 (l) of this report shall be applied over all plywood joints in 6-inch-wide strips or may be applied over the entire deck with the sheet membrane roll measuring 36 inches by 75 feet.

**d) Metal Lath:** The WP-25 Metal Lath complying with Section 4.1.2 (i) of this report is applied perpendicular to plywood sheets. Metal lath shall be installed over metal flashing, stopping at least  $\frac{1}{2}$ -inch from all deck edges or vertical juncture. The lath seams shall be staggered a minimum of 2 inches from any parallel plywood joints. Lath shall be lapped 1 to 2 inches at seams and stapled to the plywood every 1 to 2 inches. A minimum of 16 WP-10 Staples, complying with Section 4.1.2 (j) of this report, per square foot, are required to attach the lath to the plywood substrate.

**e) Base Coat:** The base coat mixture consists of one 50-pound bag of TC-1 Basecoat Cement complying with Section 4.1.2 (a), combined with  $1\frac{1}{4}$  gallons of WP-81 Cement Modifier and up to 1 quart of water. This mixture yields a total of  $4\frac{1}{2}$  gallons and shall be troweled over the horizontal metal lath surface at a rate of 40 ft<sup>2</sup> per mix, to a minimum 0.142 inch thickness. Prior to the application of the slurry coat, the base coat shall be allowed to cure firm.

**f) Slurry Coat:** The slurry coat is prepared by mixing one bag of TC-1 Basecoat Cement complying with Section 4.1.2 (a) of this report, 1 gallon of WP-81 Cement Modifier, and up to  $\frac{1}{2}$  gallon of water. The mixture shall be troweled over the cured base coat at a rate of 100 to 150 ft<sup>2</sup> per mix, to a minimum of 0.063 inch thickness, and allowed to cure.

**3.5.2 ALX Pro Standard and ALX Pro Custom Systems:** As an option, to transition from ALX Standard and ALX Custom Systems to ALX Pro Standard and ALX Pro Custom Systems, the WP-47H lath shall be installed over the base coat described in Section 3.5.1 (e) and lapped over the seams at a minimum of 2 inches. The mix is prepared with 5 gallons



of WP-90 Waterproofing Resin and one bag of TC-1 Basecoat Cement complying with Section 4.1.2 (a) of this report. This mixture shall be troweled over the WP-47H at a rate of 225 to 250 ft<sup>2</sup> per mix. Use a brush to spread the mix on the flashing and into seams and corners. Allow the surface to dry for 1-4 hours at 70°F. Scrape off any high spots or ridges that may inhibit the application of a smooth texture coat. Trim any WP-47H that is showing on perimeters after the material has hardened.

**3.5.3 ALX Standard and ALX Pro Standard Systems** (Following installation in accordance with Section 3.5 of this report):

a) **Texture Coat:** The texture coat is prepared by mixing one bag of either TC-1 Basecoat Cement complying with Section 4.1.2 (a), TC-2 Smooth Texture Cement complying with Section 4.1.2 (b), TC-3 Medium Texture Cement complying with Section 4.1.2 (c), or TC-5 Grout Texture Cement complying with Section 4.1.2 (d) of this report with 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. The texture coat can be troweled, sprayed, or broomed over the slurry coat at a rate of 150 to 200 ft<sup>2</sup> per mix, to a minimum 0.047 inch thickness over the slurry coat and be allowed to fully cure.

b) **Topcoat:** The SC-10 acrylic topcoat shall be applied over the texture coat to a minimum thickness of 6 mils dry, using a roller in a maximum of two applications at a rate of 125 ft<sup>2</sup>/gal total, or 200-300 ft<sup>2</sup>/gal per coat and be allowed to fully cure.

**3.5.4 ALX Custom, ALX Pro Custom, and MACoat Custom Systems:** The following coating applications apply only to ALX Custom, ALX Pro Custom, and MACoat Custom Systems and shall comply with Section 3.5 of this report:

a) **Grout Coat:** The grout coat is prepared by mixing one bag of TC-5 Medium Texture Cement complying with Section 4.1.2 (d) of this report with 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. The grout coat shall be troweled over the slurry coat at a rate of 100 to 150 ft<sup>2</sup> per mix, to a minimum 0.047-inch dry thickness over the slurry coat, and be allowed to fully cure before the application of the texture coat.

b) **Texture Coat:** The texture coat is prepared by mixing one bag of TC-2 Smooth Texture Cement complying with Section 4.1.2 (b) or TC-5 Medium Texture Cement complying with Section 4.1.2 (d) of this report, with 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. The TC-40 Liquid Colorant may be added to a maximum of 4 ounces until the color is consistent. The texture coat shall be troweled, sprayed, or broomed over the grout coat at a rate of 150 to 200 ft<sup>2</sup> per mix, to a minimum 0.047-inch dry thickness over the grout coat, and be allowed to fully cure before the application of the stain.

c) **SC-35 Water-Based Stain:** The stain shall be applied at a rate of 200 to 400 ft<sup>2</sup>/gal using a pump sprayer, airless sprayer, HVLP sprayer, brush, or broom over the texture coat. The stain shall be allowed to fully dry before the application of the sealer.

d) **SC-70 Acrylic Lacquer Sealer:** The sealer shall be applied at a rate of 200 to 300 ft<sup>2</sup>/gal using a sprayer, brush, or roller over the stain. The sealer shall be allowed to fully dry.

**3.5.5 MACoat System™:**

a) **General:** The MACoat System™ walking deck and roof covering systems shall be installed in accordance with the manufacturer's published installation instructions, the applicable code, and this report. In the event of a conflict, the more restrictive governs.

The system shall be applied where an ambient and surface temperature range of 50°F to 90°F is available for 24 hours. Materials shall not be applied when subject to wet weather. Substrates and all coating surfaces shall be structurally sound, clean, and dry. The minimum finished deck slope shall be ¼:12 (2-percent slope). Additional installation details are shown in Table 2 of this report.

b) **Concrete Substrates:** Concrete substrates shall comply with Section 4.2.2 (h) of this report. Concrete surfaces shall be prepared to a profile equal to CSP 3 as specified by the International Concrete Repair Institute (ICRI). Concrete cracks greater than 1/32-inch width shall be routed out in a ¼-in by ¼-in, and WP-47A Seam Tape described in Section 4.2.2 (b) of this report shall be installed over all cracks and seams. EC-72 Epoxy Patch Gel shall be applied over the WP-47A tape and troweled with silica sand for adhesion of the coating. Concrete control joints shall comply with local building codes and comply with industry standards.

c) **WP-47H FiberLath:** The WP-47H complying with Section 4.2.2 (a) of this report is applied perpendicular to the deck, overlapping the seams at least 2 inches.

d) **Base Coat:** The Base Coat is prepared by mixing one bag of TC-1 Base Coat Cement with 5 gallons of WP-90 Waterproofing Resin complying with Section 4.2.2 (c) of this report. The mixture shall be troweled over the horizontal WP-47H Fiberlath Heavy Duty at a rate of 220 to 260 ft<sup>2</sup> per mix, to a minimum 0.057 inch thickness over concrete and lath, and all metal and concrete shall be completely covered, and surfaces shall be flat.

e) **Slurry Coat:** The slurry coat is prepared by mixing one bag of TC-1 Base Coat Cement with 5 gallons of WP-90 Waterproofing Resin complying with Section 4.2.2 (d) of this report. The mixture shall be troweled over the cured base coat



surface at a rate of 250 to 320 ft<sup>2</sup> per mix, to a minimum of 0.072 inch thickness over the base coat, and be allowed to cure.

**f) Texture Coat:** For a custom finish option, please refer to Section 3.5.4 of this report. An optional Texture Coat is prepared by mixing 1 quart of water with 5 gallons of WP-90 Waterproofing Resin and one bag of TC-1 Base Coat Cement complying with Section 4.2.2 (c) of this report. The texture coat shall be troweled over and applied over the slurry coat at a rate of 300 to 350 ft<sup>2</sup> per mix, to a minimum 0.035 inch dry thickness over the slurry coat, and be allowed to fully cure before the application of the topcoat.

**g) Topcoat:** The SC-10 acrylic topcoat shall be applied over the texture coat to a minimum thickness of 6 mils dry, using a roller in a maximum of two applications at a rate of 125 ft<sup>2</sup>/gal total, or 200-300 ft<sup>2</sup>/gal per coat and be allowed to fully cure.

## 4.0 PRODUCT DESCRIPTION

### 4.1 Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom Systems

**4.1.1 General:** Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom Systems is a cementitious multi-layer protective coating system for use over plywood. The system consists of reinforcing metal lath, cementitious filler, waterproofing sheet membrane, and acrylic sealer.

#### 4.1.2 Components:

**a) TC-1 Basecoat Cement:** The TC-1 is a portland cement mixture, dry-blended with silica sand and proprietary additives. TC-1 has a maximum shelf life of 1 year when stored in unopened 50-lb bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 90°F.

**b) TC-2 Smooth Texture Cement:** The TC-2 is a portland cement mixture, dry-blended with silica sand and proprietary additives. TC-2 has a maximum shelf life of 1 year when stored in unopened 50-lb bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 90°F.

**c) TC-3 Medium Texture Cement:** The TC-3 is a portland cement mixture, dry-blended with silica sand and proprietary additives. TC-3 has a maximum shelf life of 1 year when stored in unopened 50-lb bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 90°F.

**d) TC-5 Grout Texture Cement:** The TC-5 is a portland cement mixture, dry-blended with silica sand and proprietary additives. TC-5 has a maximum shelf life of 1 year when stored in unopened 50-lb bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 90°F.

**e) TC-40 Liquid Colorant (Use with ALX Custom):** The TC-40 is a water-based slurry, formulated with high pigment levels used to tint the TC-2 basecoat product described in Section 4.1.2 (b) of this report. TC-40 has a maximum shelf life of 1 year when stored in unopened 10-ounce bottles in dry locations out of direct sunlight at temperatures ranging from 50°F to 75°F.

**f) SC-10 Acrylic Topcoat (Use with ALX Standard):** The SC-10 is an acrylic water-based coating used as a topcoat. SC-10 has a shelf life of 2 years in unopened 1- or 5-gallon pails stored at temperatures ranging from 40°F to 100°F.

**g) SC-35 Water-Based Stain(Use with ALX Custom):** The SC-35 is an acrylic water-based color stain when applied to TC-2 Smooth Texture Cement described in Section 4.1.2 (b). SC-35 has a shelf life of 3 years when stored in unopened 1- or 5-gallon pails in dry locations.

**h) SC-70 Acrylic Lacquer Sealer (Use with ALX Custom):** The SC-70 is an acrylic lacquer sealer. SC-70 has a maximum shelf life of 5 years when stored in unopened 1- or 5-gallon pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

**i) WP-25 Metal Lath:** The metal lath shall be 2.5 pounds per square yard, in accordance with ASTM C847. The lath is delivered in rolls measuring 27 inches wide by 97 inches long.

**j) WP-10 Staples:** The staples shall comply with ASTM F1667 and shall have a minimum 5/8 inch long leg, a minimum 1-inch crown, and be formed from hot-dip galvanized, minimum No. 16 gauge.

**k) Plywood:** Plywood, with an exterior bond classification, conforming to DOC PS-1 or DOC PS-2, shall be a minimum 5/8-inch thick.

**l) WP-40 Sheet Membrane:** The WP-40 Sheet Membrane consists of a self-adhering reinforced modified bituminous membrane with a white-colored reflective topping applied to the top surface. The membrane is nominally 40-mil-thick (0.040 inch) and produced in rolls that are 6-, 12-, and 36-inches wide by 75 feet long.

**m) WP-81 Cement Modifier:** The WP-81 is an acrylic liquid modifier used with TC-1, TC-2, TC-3, and TC-5 described in Sections 4.1.2 items (a) through (d) of this report. WP-81 has a maximum shelf life of 2 years when stored in unopened 1- or 5-gallon pails in dry locations at temperatures ranging from 40°F to 100°F.

**n) Permeability:** The ALX and ALX Pro (Standard and Custom) Systems with full coverage of WP-40 Sheet Membrane, have a water vapor permeance rating of 0.1 perm



or less when tested in accordance with ASTM E96 Procedure A (Desiccant Method) at 73.4°F and 50 percent relative humidity.

**4.1.3 ALX Pro Standard and ALX Pro Custom Systems:** The ALX Pro Standard and ALX Pro Customs Systems shall use the following components in addition to the applicable items listed in Sections 4.1.2 (a) through (m) of this report:

a) **WP-47H Fiberlath:** The WP-47H is a fiberglass lath reinforcing mesh, nominal 0.020-inch thickness and nominal weight of 5.9 oz/yd<sup>2</sup>. The lath is produced in rolls that are 38 inches wide by 150 feet long. The WP-47H has a reinforcing mesh warp of 5.4 per inch and 6 per inch west hurl leno weave.

b) **WP-90 Waterproofing Resin:** The WP-90 is an acrylic-polymer modified resin that can be used as an additive for TC-1 Basecoat Cement described in Section 4.1.2 (a) of this report. WP-90 has a maximum shelf life of 2 years when stored in unopened 1- or 5-gallon pails in dry locations at temperatures ranging from 40°F to 100°F.

c) **Permeability:** The ALX Pro Standard and ALX Pro Custom Systems have a water vapor permeance rating of 0.1 perm or less when tested in accordance with ASTM E96 Procedure A (Desiccant Method) at 73.4°F and 50 percent relative humidity.

## 4.2 MACoat System™

**4.2.1 General:** MACoat™ System is a cementitious multi-layer protective coating system for use over concrete. The system consists of reinforcing metal lath, cementitious filler, waterproofing sheet membrane, and acrylic sealer.

### 4.2.2 Components:

a) **WP-47H Fiberlath:** The WP-47H is a fiberglass lath reinforcing mesh, nominal 0.020-inch thickness and nominal weight of 5.9 oz/yd<sup>2</sup>. The lath is produced in rolls that are 38 inches wide by 150 feet long. The WP-47H has a reinforcing mesh warp of 5.4 per inch and 6 per inch west hurl leno weave.

b) **WP-47A Seam Tape:** The WP-47A is a fiberlath tape that can be used to reinforce concrete cracks. The tape has a nominal 0.018-inch thickness and weight of 4.5 oz/yd<sup>2</sup>. The tape is produced in rolls that are 3 inches wide by 100 feet long.

c) **TC-1 Basecoat Cement:** The TC-1 is a portland cement mixture, dry-blended with silica sand and proprietary additives. TC-1 has a maximum shelf life of 1 year when stored in unopened 50-lb bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 90°F.

d) **WP-90 Waterproofing Resin:** The WP-90 is an acrylic-polymer modified resin that can be used as an additive for TC-1 Basecoat Cement. WP-90 has a maximum shelf life of 2 years when stored in unopened 1- or 5-gallon pails in dry locations at temperatures ranging from 40°F to 100°F.

e) **SC-10 Acrylic Topcoat:** The SC-10 is an acrylic water-based coating used as a topcoat. SC-10 has a shelf life of 2 years in unopened 1- or 5-gallon pails stored at temperatures ranging from 40°F to 100°F.

f) **WP-51 Polyurethane Sealant:** The WP-51 sealant is used along with bonderized flashing, for sealing all seams and overlaps. The shelf life is one year in a 10-ounce and two years in 20-ounce unopened cartridges, respectively, and stored at temperatures ranging from 40°F to 100°F.

g) **EC-72 Epoxy Patch Gel:** The EC-72 gel is a two-component epoxy patching compound. The shelf is two years in ½- or 2-gallon unopened kits and stored at temperatures ranging from 40°F to 100°F.

h) **Concrete:** Concrete shall comply with the IBC or IRC as normalweight, with a minimum specified compressive strength,  $f_c'$ , of 2,500 psi and be a minimum of 2-inches thick.

## 5.0 IDENTIFICATION

Product packaging shall include the manufacturer's name (Westcoat), address, product name, shelf life, date of manufacture or batch/lot number, product name, and evaluation report number (ER-587). The product identification may also include the IAPMO Uniform Evaluation Service Mark of Conformity (as shown below) or the IAPMO UES ER-587.



IAPMO UES ER-587

## 6.0 SUBSTANTIATING DATA

6.1 Data in accordance with ICC-ES AC39.

6.2 Data in accordance with the ICC-ES AC48.

6.3 Data in accordance with the ICC-ES AC188.

6.4 Reports of water vapor transmission testing in accordance with ASTM E96.

6.5 Test reports are from laboratories in compliance with ISO/IEC 17025.





### 7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems to assess conformance to the codes shown in Section 1.0 of this report

and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.9 of this report under a quality control program with periodic inspections under the supervision of IAPMO UES.

For additional information about this evaluation report please visit [www.uniform-es.org](http://www.uniform-es.org) or email us at [info@uniform-es.org](mailto:info@uniform-es.org)

**TABLE 1: ALX SYSTEMS INSTALLATION DETAILS**

SYSTEM	BASE COAT	INTERMEDIATE COAT	THIRD COAT	FOURTH COAT	FIFTH COAT	TOPCOAT
ALX STANDARD FINISH	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	TC-1, TC-2, TC-3, or TC-5 Cements applied at 100-150 sq.ft. per bag mixture.	-	-	SC-10 Acrylic Topcoat applied at a rate of 125 sq. ft. / gal.
ALX CUSTOM FINISH	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	TC-5 Medium Texture Cement applied at 200 sq. ft. per bag mixture.	TC-2 or TC-5 Cements applied at 100-150 sq.ft. per bag mixture.	SC-70 Acrylic Lacquer applied at a rate of 200-300 sq. ft. / gal.
ALX PRO STANDARD FINISH	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 225-250 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	TC-1, TC-2, TC-3, or TC-5 Cements applied at 100-150 sq.ft. per bag mixture.	-	SC-10 Acrylic Topcoat applied at a rate of 125 sq. ft. / gal.
ALX PRO CUSTOM FINISH	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 225-250 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	TC-5 Medium Texture Cement applied at 200 sq. ft. per bag mixture.	TC-2 or TC-5 Cements applied at 100-150 sq.ft. per bag mixture.	SC-70 Acrylic Lacquer applied at a rate of 200-300 sq. ft. / gal.
ALX WATERPROOFING UNDERLAYMENT	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	-	-	-	-
ALX PRO WATERPROOFING UNDERLAYMENT	TC-1 Basecoat Cement applied at 40 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 225-250 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 100-150 sq.ft. per bag mixture.	-	-	-

**Joist Span:** All systems require a maximum joist span of 16-inches, except the ALX Waterproofing Underlayment and ALX Pro Waterproofing Underlayment. These systems require a maximum joist span of 12-inches.

**Substrates:** All systems require a minimum 5/8-inch exterior grade plywood, except the ALX Waterproofing Underlayment and ALX Pro Waterproofing Underlayment. These systems require 1-inch exterior grade plywood.

**Deck Slope:** All systems require ¼ : 12

**Minimum Base Coat Thickness:** 9/64-inch for all systems.

**Sheet Membrane:** 6-inch WP-40 Sheet Membrane is a minimum requirement for all systems, except full coverage of the 36-inch WP-40 Sheet Membrane is required for the ALX Waterproofing Underlayment and ALX Pro Waterproofing Underlayment.

**TABLE 2: MACOAT SYSTEM INSTALLATION DETAILS**

SYSTEM	BASE COAT	INTERMEDIATE COAT	OPTIONAL THIRD COAT	TOPCOAT
MACOAT STANDARD	TC-1 Basecoat Cement applied at 220-260 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 250-320 sq.ft. per bag mixture.	TC-1 Basecoat Cement applied at 300-350 sq.ft. per bag mixture.	SC-10 Acrylic Topcoat applied at a rate of 125 sq. ft. / gal.

**Substrate:** All systems require 2,500 psi concrete that is at least 2-inches thick

**Deck Slope:** All systems require ¼:12

**Min Base Coat Thickness:** 0.057 inch



## CALIFORNIA SUPPLEMENT

### WESTCOAT

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### WESTOCOAT ALX STANDARD, ALX CUSTOM, ALX PRO STANDARD, ALX PRO CUSTOM, AND MACOAT SYSTEMS

#### CSI Sections:

07 18 13 Pedestrian Traffic Coatings

07 30 05 Roofing Felt and Underlayment

#### 1.0 RECOGNITION

Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems recognized in ER-587 and in this report supplement have been evaluated for use as walking deck and roof covering systems. The durability, wind uplift resistance, roof fire classification, and fire-resistance-rating properties of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems comply with the intent of the provisions of the following codes and regulations:

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)

#### 2.0 LIMITATIONS

Use of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems recognized in this supplement are subject to the following limitations:

2.1 For use under the 2022 CBC and CRC, the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall comply with the provisions applicable to the 2021 IBC or 2021 IRC in ER-587.

2.2 The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems may be used as Class A roof covering systems in accordance with Sections 1505.2 of the CBC or R902.1 of the CRC.

2.3 Only the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom Systems have been evaluated for use in buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area in accordance with Chapter 7A of the CBC or Section R337 of the CRC. The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom Systems comply with the requirements when tested in accordance with ASTM E2632 and ASTM E2726.

2.4 This supplement expires concurrently with ER-587.

For additional information about this evaluation report please visit

[www.uniform-es.org](http://www.uniform-es.org) or email us at [info@uniform-es.org](mailto:info@uniform-es.org)



## CITY OF LOS ANGELES SUPPLEMENT

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### WESTCOAT ALX STANDARD, ALX CUSTOM, ALX PRO STANDARD, ALX PRO CUSTOM AND MACOAT SYSTEMS

#### CSI Sections:

- 07 18 13 Pedestrian Traffic Coatings
- 07 30 05 Roofing Felt and Underlayment

#### 1.0 RECOGNITION

Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems described in ER-587, the California Supplement to ER-587, and this supplemental report have been evaluated for use as walking deck and roof covering systems. The durability, wind uplift resistance, roof fire classification, and fire-resistance-rating properties of the Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom and MACoat Systems comply with the intent of the provisions of the following codes and regulations:

- 2023 City of Los Angeles Building Code (LABC)
- 2023 City of Los Angeles Residential Code (LARC)

#### 2.0 LIMITATIONS

Use of The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems recognized in this supplement are subject to the following limitations in addition to the limitations in ER-587 and the California Supplement in ER-587:

2.1 The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall comply with the provisions in the California Supplement applicable to the 2022 CBC for use under the 2023 LABC.

2.2 The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems may be used as Class A roof covering systems in accordance with Sections 1505.2 of the 2023 LABC or R902.1 of the 2023 LARC.

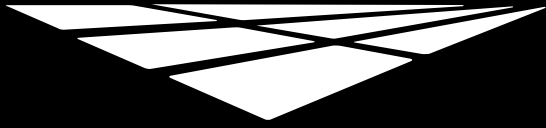
2.3 The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall be installed on slopes not less than ¼ inch per foot (2-percent slope).

2.4 The supporting structure shall be designed to support the loads and is outside the purview of this report.

2.5 The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems shall comply with the LADBS Information Bulletin P/BC 2020-016 (Dwellings in High Wind Velocity Areas (HWA)).

2.6 This supplement expires concurrently with ER-587.

For additional information about this evaluation report please visit [www.uniform-es.org](http://www.uniform-es.org) or email us at [info@uniform-es.org](mailto:info@uniform-es.org)



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# **COLOR CHART**



TC-40 is shown here mixed into TC-2 Smooth Texture White Cement. Colors shown at 1 fl. oz. and 2 fl. oz. loadings except for Raw Umber shown at 4 fl. oz. and 8 fl. oz. loadings.



Bark | 305 1 fl. oz.



2 fl. oz.



Cinnamon | 304 1 fl. oz.



2 fl. oz.



Peach | 302 1 fl. oz.



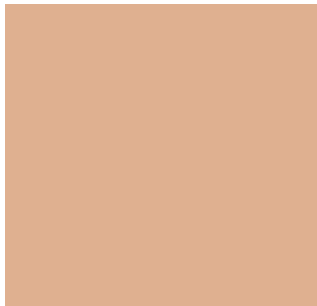
2 fl. oz.



Clay | 309 1 fl. oz.



2 fl. oz.



Straw | 301 1 fl. oz.



2 fl. oz.



Smoke | 308 1 fl. oz.



2 fl. oz.



Yellow | 311 1 fl. oz.



2 fl. oz.



Raw Umber | 312 4 fl. oz.



8 fl. oz.



**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.





**Applied over TC-4 Fine Texture Cement**



Shale | 516



Armor | 514



Onyx | 509



Sienna | 513



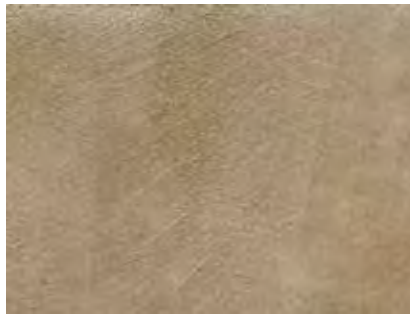
Copper | 508



Adobe | 515



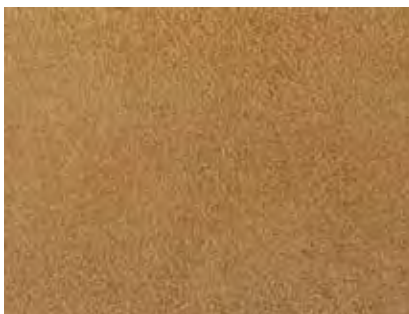
Sahara | 518



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.





Blends have been applied over TC Cements see back for reference chart.



Coffee



Henna



Auburn



Tobacco



Russet



Dust



Arroyo



Suede



Luna



Flintstone



Tornado



Raven



**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.

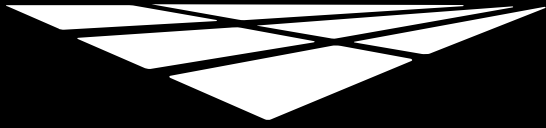


<b>WATER-BASED STAIN BLENDS</b>	<b>Texture-Coat Cement</b>	<b>Liquid Colorant</b>	<b>Formula</b>
Arroyo	TC-2 White Texture Cement	1/4 ounce Cinnamon	2 Parts Ivory : 1 Part Sepia
Auburn	TC-2 White Texture Cement	1/4 ounce Cinnamon	Adobe
Coffee	TC-2 White Texture Cement	1/4 ounce Smoke	2 Parts Mahogany : 1 Part Onyx
Dust	TC-2 White Texture Cement	1/4 ounce Cinnamon	Umber
Flintstone	TC-5 Light Gray Texture Cement	n/a	2 Parts Water : 1 Part Sepia
Henna	TC-2 White Texture Cement	1/4 ounce Cinnamon	4 Parts Adobe : 1 Part Copper
Luna	TC-2 White Texture Cement	1/4 ounce Smoke	Shale
Raven	TC-2 White Texture Cement	1/4 ounce Smoke	Onyx
Russett	TC-2 White Texture Cement	1/4 ounce Cinnamon	4 Parts Sahara : 1 Part Adobe
Suede	TC-2 White Texture Cement	1/4 ounce Cinnamon	8 Parts Water : 1 Part Sepia
Tobacco	TC-2 White Texture Cement	1/4 ounce Cinnamon	3 Parts Water : 1 Part Mahogany
Tornado	TC-2 White Texture Cement	1/4 ounce Smoke	6 Parts Shale : 1 Part Onyx

- Color will vary. This chart is for reference only. Please apply sample on site before beginning any project.
- Please contact your distributor or a Westcoat representative for detailed Water-Based Stain Blend instructions.
- All SC-35 Water-Based Stain colors need to be boxed or combined per formula prior to application..

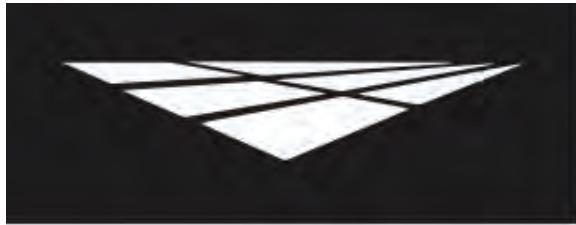






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# **SAMPLE WARRANTY**



## WARRANTY

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### WESTCOAT MACOAT MATERIAL WARRANTY

Subject to the conditions, limitations and requirements set forth below, Westcoat warrants the Westcoat MaCoat materials to be free of defects in the material for a period of five (5) years from the date of original purchase of the materials provided that the materials are installed by a factory trained state-licensed contractor enrolled in the Westcoat QCA program and subject to all terms and conditions set forth below. Westcoat disclaims any warranty for the labor or installation of the MaCoat materials.

If the Westcoat MaCoat materials fail due to defects within the warranty period, Westcoat, in its sole discretion, will either provide replacement materials for the defective MaCoat materials or reimburse the original purchaser in an amount not to exceed the original cost of the materials. Westcoat shall in no way be responsible or liable for any labor costs or any incidental or consequential damages, including without limitation, economic losses, lost profits, business interruption, loss of use, contribution, indemnity or other losses arising from the use of the MaCoat materials.

This warranty is limited to the original purchases and is non-transferable. This warranty is void if the MaCoat materials are: applied to the top of OSB; not properly maintained; not installed pursuant to the current system information sheet; and/or applied at any area that is not built in accordance with applicable building codes. The warranty is also void if all of the materials are not purchased from an authorized distributor of Westcoat.

This warranty does not apply to and Westcoat has no responsibility or liability for: (1) the condition or movement of the substrate; (2) parts, products, or accessories not sold by Westcoat such as sheet metal flashings, scuppers and drains; (3) the loss of gloss, fading or cleaning; (4) repairs and/or maintenance of the sealer and texture coat (5) the application of its materials over an oriented strand board ("OSB") substrate; (6) abuse or misuse of the materials; or (7) improper installation.

THIS MATERIAL WARRANTY AND THE REMEDIES PROVIDED HEREUNDER ARE EXCLUSIVE AND GIVEN IN LIEU OF ALL OTHER WARRANTIES (WHETHER WRITTEN, ORAL, IMPLIED OR STATUTORY). THERE ARE NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THAT EXTEND BEYOND THAT SPECIFICALLY DESCRIBED HEREIN. PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURERS OF WESTCOAT, INCLUDING CLAIMS BASED UPON THE MANUFACTURER'S NEGLIGENCE OR STRICT LIABILITY, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MACOAT MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MACOAT MATERIAL.

The Westcoat ALX system requires a maintenance topcoat with WESTCOAT ACRYLIC TOPCOAT (or Westcoat Sealer) specified by a factory representative, every three to five years (depending on ultraviolet exposure and/or traffic) as determined by a Westcoat QCA OR authorized inspector. Inspections are required one year after installation and every two years thereafter by a Westcoat QCA or an authorized inspector. The record of the inspection must be kept in writing and entitlement to the benefits of this warranty require the purchaser to show proof of purchase of the materials and the record of inspection(s).

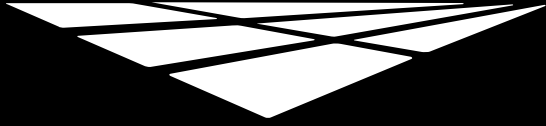
All claims arising from any defect in the MaCoat materials or under this Warranty shall be made, in writing, to Westcoat within ninety (90) days of the discovery of the alleged defect and within the time period of this warranty. Upon notification, Westcoat shall have the right to inspect and determine course of repair. The absence of a written claim within this time period shall constitute a waiver of all claims, rights and damages against Westcoat, and its affiliates. This warranty shall not toll or extend any statute of limitation applicable to a claim of negligence, breach of contract or strict liability against Westcoat.

Any and all disputes, claims or damages arising out of the use of MaCoat materials or this Warranty shall be arbitrated in the County of San Diego, State of California, utilizing the services of a neutral dispute resolution service upon which the purchaser and Westcoat agree, or if they cannot agree, utilizing the services of the American Arbitration Association. The purchaser and Westcoat hereby waive any right they may have to have a jury decide any dispute.



**westcoat**<sup>™</sup>

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# **GENERAL MAINTENANCE**



## EXTERIOR COATINGS

Westcoat exterior coating systems (including systems such as ALX, ALX Pro, MACoat, Texture-Crete, etc.) offer durable, high-performance, long lasting surfaces that are designed to provide years of service against normal wear and usage. To extend the service life of your Westcoat system, it is recommended to implement a routine cleaning regimen and have periodic deck inspections. This information is a basic guideline only.

### **Routine Cleaning**

All coating systems require maintenance and upkeep to ensure continued performance and to maximize the life of the system. Maintenance methods may vary depending on the system, texture, topcoat or sealer, environment conditions, slope, drainage, volume and type of traffic, and use of space.

Ensure that the coating surface is free from debris such as sand, gravel, metals, or other abrasives that can result in premature wear of the topcoat or sealer. Grease, oils, and other contaminants should be removed regularly to maintain the surface.

Be sure to test all cleaning agents in an unnoticeable area to ensure compatibility. Refer to the manufacturer's instructions and dilution rates for all cleaning agents. Routine cleaning can be achieved by using a mild cleaning solution such as "Simple Green" or mild soap. Utilize a brush or broom to help agitate and loosen up dirt and debris. Ensure that the surface is thorinsed with clean water thoroughly. Do not allow cleaning agents to dry on the surface.

A low psi pressure washer (do not exceed 1000 psi) equipped with fan tip and/or a soft bristle floor scrubber brush on a floor machine may be used to help aid in cleaning. Do not use metal-based or coarse brushes as they may damage the surface.

To remove water stains from calcium or lime build up, 100 grain vinegar can be used. Start by diluting the vinegar, eight parts water to one part vinegar. If needed, you can use the vinegar diluted one to one with water. Avoid using neat or full strength 100 grain vinegar. Scrub the diluted vinegar mixture over the surface. Be sure to completely rinse any residue thoroughly with clean water. Avoid using vinegar mixture or any cleaner in direct sunlight, as direct sun may evaporate cleaning solution and may leave a film or residue on the surface.

Any information provided by Westcoat Specialty Coating Systems is for general purposes only. Nothing presented by Westcoat Specialty Coating Systems constitutes design advice or a recommendation specific to a particular situation. Westcoat Specialty Coating Systems directs you to consult with the appropriate qualified design professional to ensure any product or information meets the requirements for the specific intended use, and complies with all building plans, specifications, codes or regulations. Westcoat Specialty Coating Systems expressly and specifically disclaims responsibility for any damages arising from the use of any information, and each recipient of this information agrees that there is no express or implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, arising from any information provided by Westcoat Specialty Coating Systems.





## EXTERIOR COATINGS

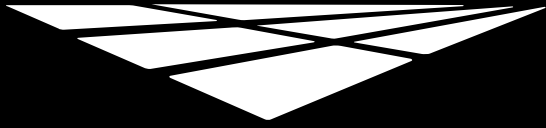
### Maintenance and Inspections

All exterior coating systems should be periodically inspected and regularly maintained by a Westcoat Qualified Contractor Applicator (QCA). Inspections are required one year after installation and every two years thereafter by a factory authorized representative. After 3-5 years, a "reseal" (thorough cleaning and reapplication of Westcoat topcoat/sealer) may be required. Existing sealer or coating should be lightly abraded before application of topcoat or sealer. Some topcoats and sealers may require additional preparation, prior to recoating. Should damage occur, be sure to contact the original Westcoat applicator to inspect and repair the coating system immediately.

### Best Practices

- Do not expose the coating surface to traffic, moisture, or chemical agents until the system is fully cured.
- Outdoor carpet or other matting materials are not recommended, as they may trap moisture, contribute to mildew, mold, and may damage the topcoat or sealer.
- Potted plants and/or planter boxes should be elevated off the surface and moved monthly to allow the coating to dry properly. Planter drainage may cause staining due to fertilizers and growing mediums. Drip pans or saucers should be utilized.
- Outdoor furniture should have coasters or pads to prevent indentations and damage to the coating.
- If barbecues are to be used, it is recommended to place a protective pan down to prevent damage from hot grease or coals.
- Do not cut, slice, or puncture the coating system. This is especially true for all waterproofing systems, such as ALX, ALX Pro, and MACoat.
- Avoid dragging bulky metal, concrete, or other types of objects over the surface.
- Fire pits are not recommended for use with Westcoat coating systems.
- Do not expose the coating system to solvents, harsh chemicals, or acids.
- Avoid subjecting the coating system to repeated heavy rolling loads.
- Tape or other adhesives should not be applied to finished surfaces.

Any information provided by Westcoat Specialty Coating Systems is for general purposes only. Nothing presented by Westcoat Specialty Coating Systems constitutes design advice or a recommendation specific to a particular situation. Westcoat Specialty Coating Systems directs you to consult with the appropriate qualified design professional to ensure any product or information meets the requirements for the specific intended use, and complies with all building plans, specifications, codes or regulations. Westcoat Specialty Coating Systems expressly and specifically disclaims responsibility for any damages arising from the use of any information, and each recipient of this information agrees that there is no express or implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, arising from any information provided by Westcoat Specialty Coating Systems.



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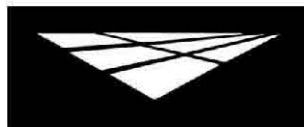
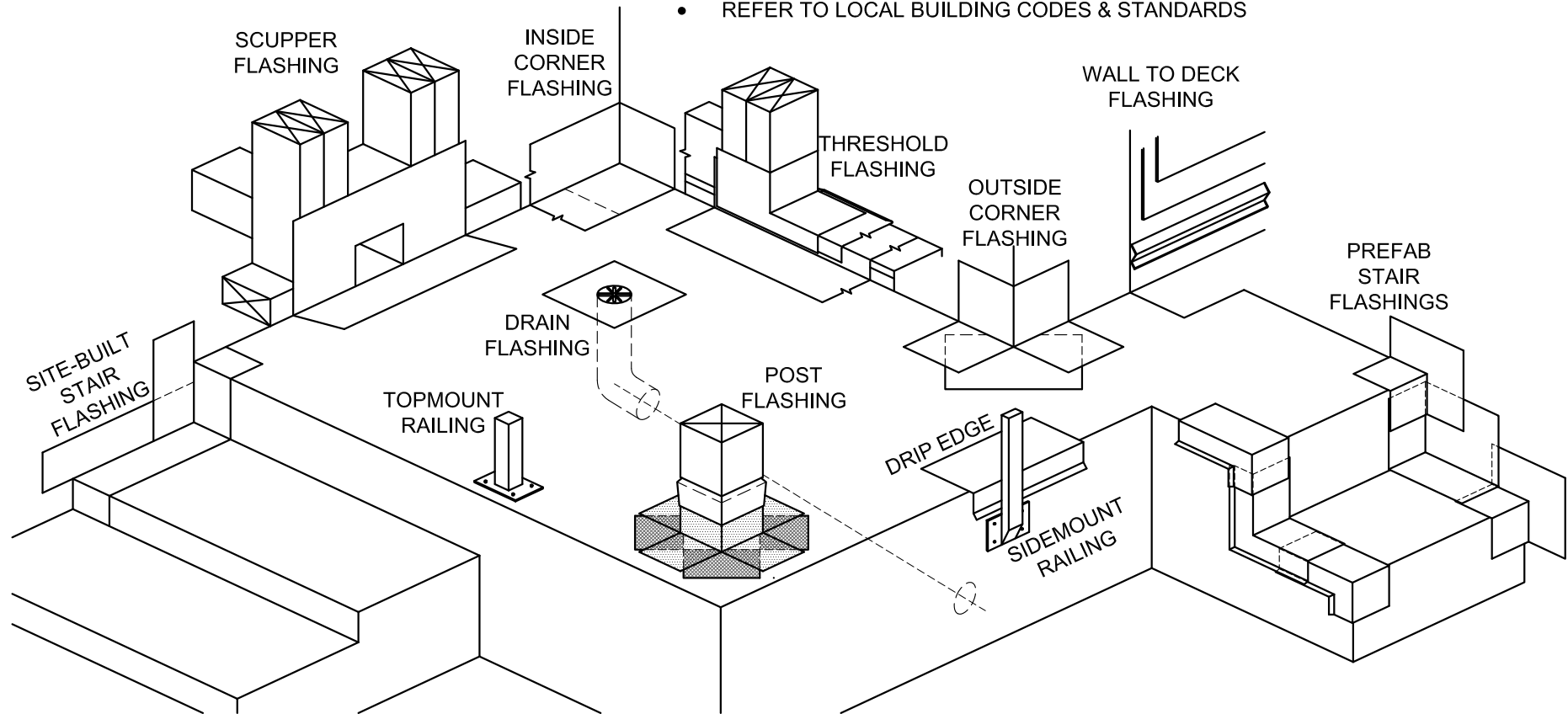
# **ARCHITECTURAL DETAILS**

## WESTCOAT MULTIPLE FLASHING DETAILS

NOT TO SCALE

### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



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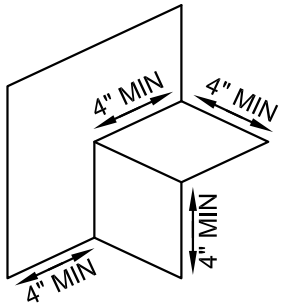
## WESTCOAT STAIR FLASHING DETAIL

NOT TO SCALE

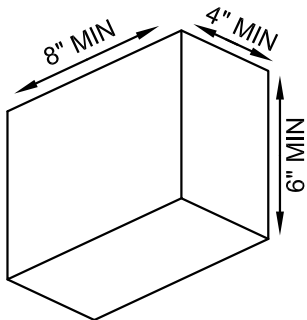
### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS

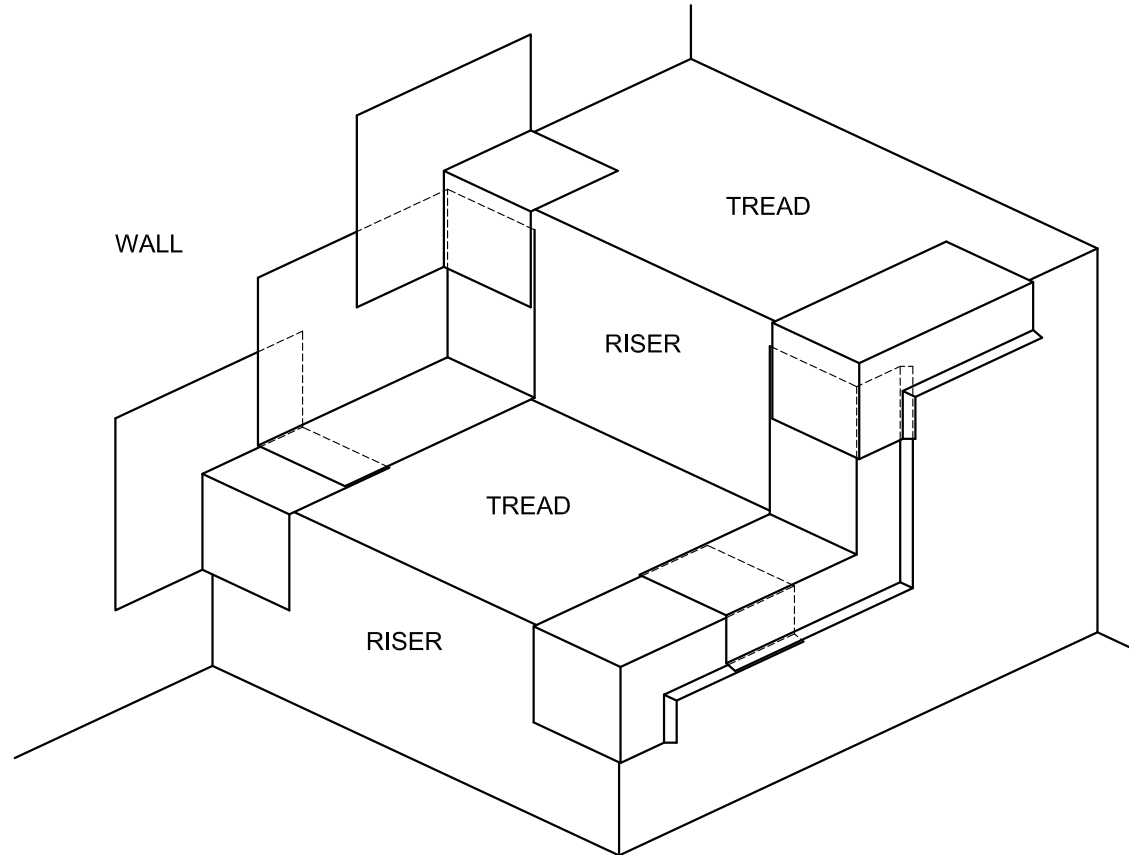
### PREFAB PIECES (INSIDE STAIRS)



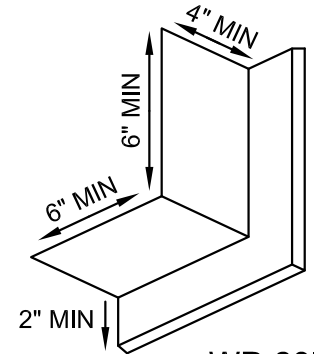
WP-270  
SEALANT



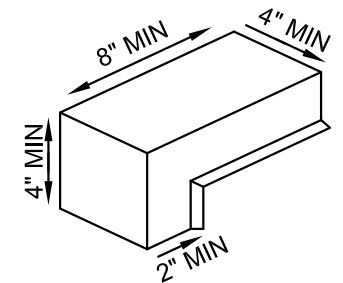
WP-271  
SEALANT



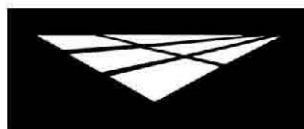
### PREFAB PIECES (OUTSIDE STAIRS)



WP-281  
SEALANT



WP-280  
SEALANT



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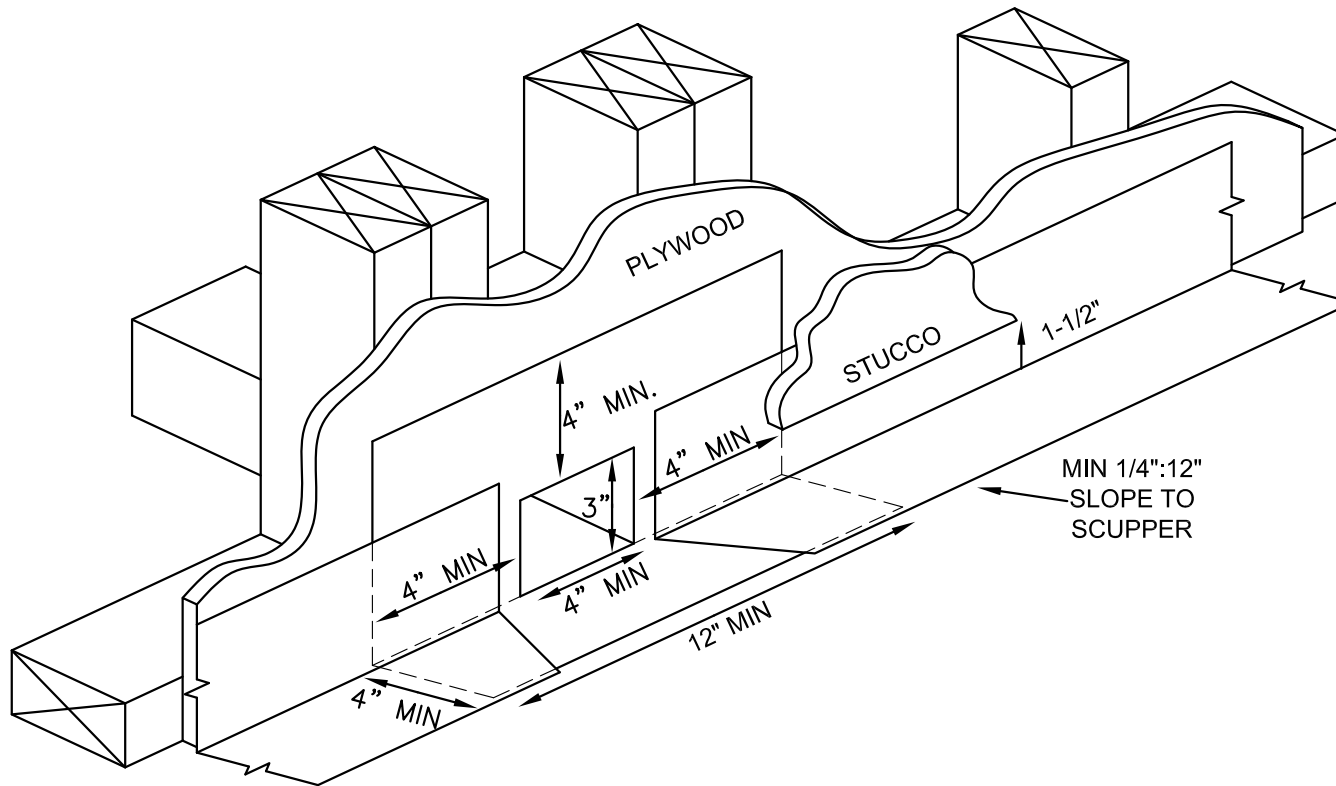


## WESTCOAT SCUPPER FLASHING DETAIL

NOT TO SCALE

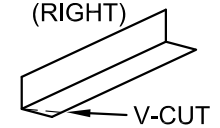
### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS

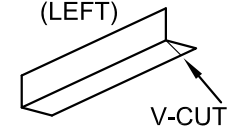


SITE-BUILT PIECES

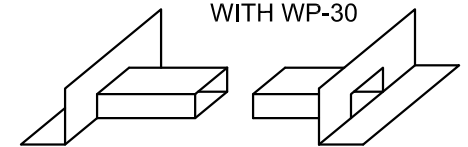
(RIGHT)



(LEFT)

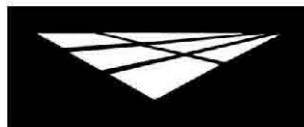


PREFABRICATED  
SCUPPER FLASHING  
WITH WP-30



BACK

FRONT



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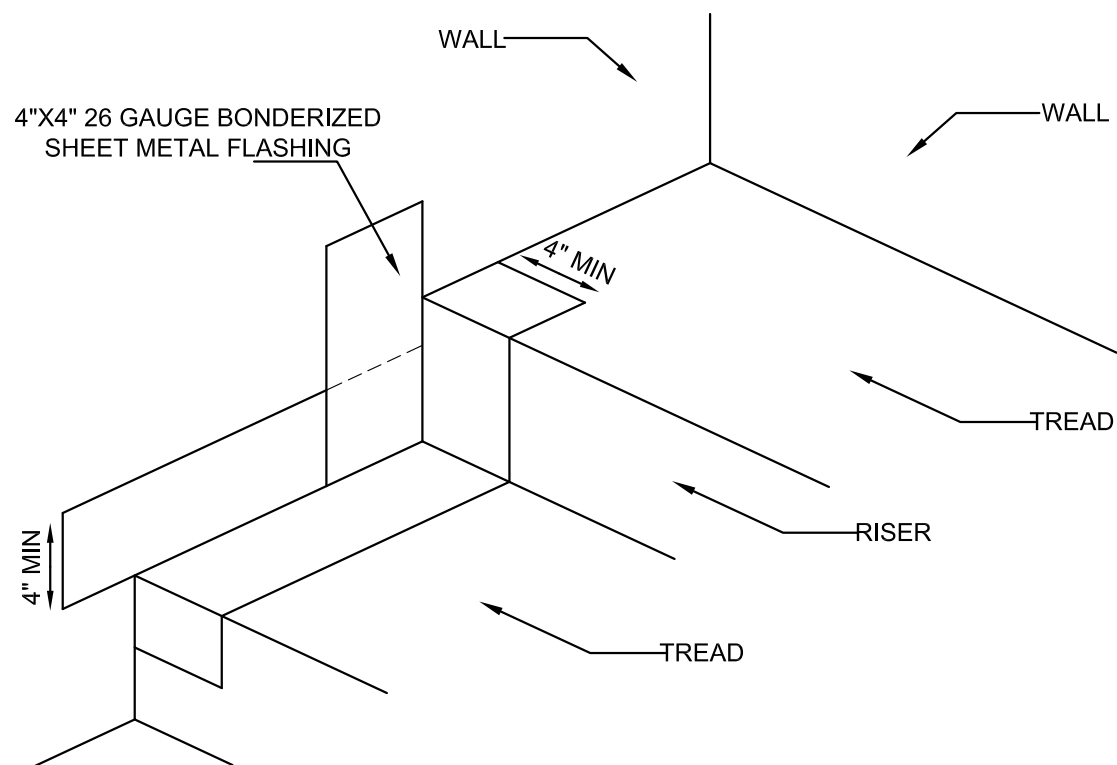
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SAN DIEGO, CA. 92102

## WESTCOAT STAIR FLASHING DETAIL

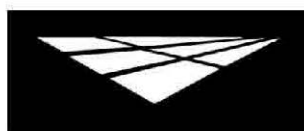
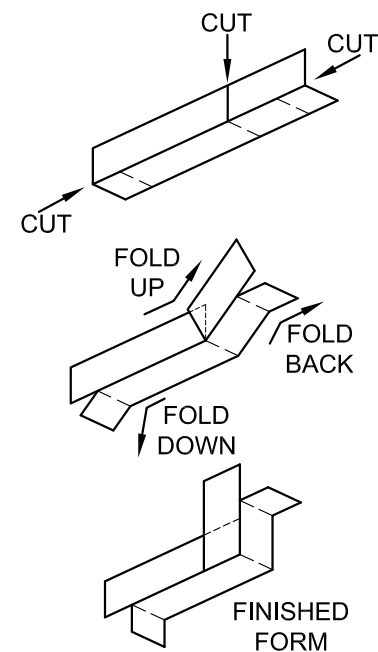
NOT TO SCALE

### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### SITE BUILT PIECE



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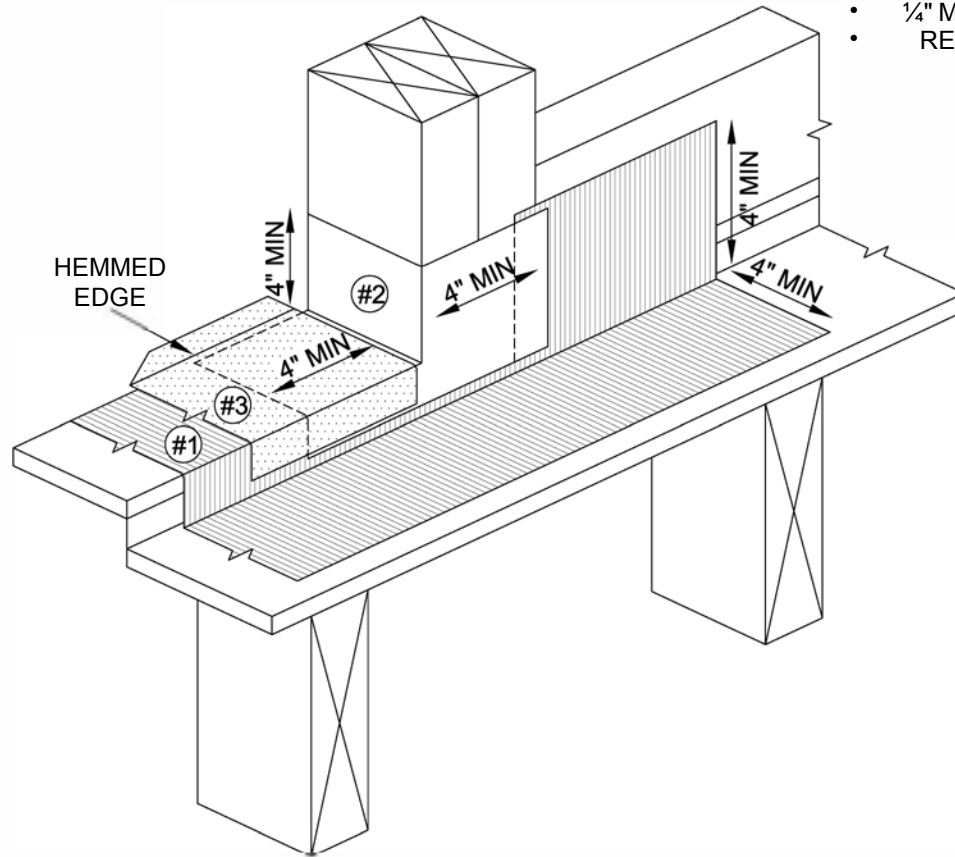
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SAN DIEGO, CA. 92102

# WESTCOAT THRESHOLD FLASHING DETAIL

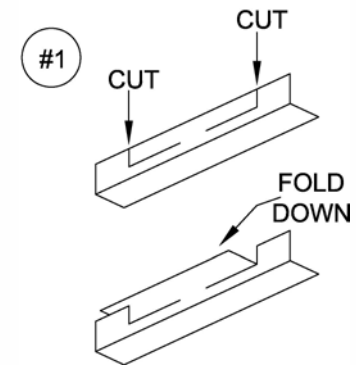
NOT TO SCALE

## NOTES:

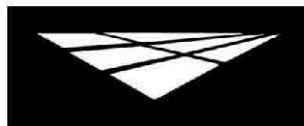
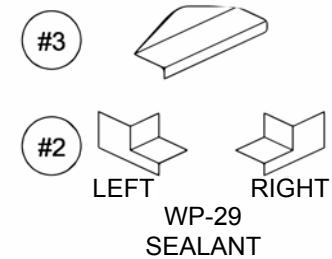
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STD. OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- 3/4" EXTERIOR GRADE MINIMUM FOR PLYWD. SUBSTRATE
- 1/4" MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



## SITE BUILT PIECE



## PREFAB. PIECES



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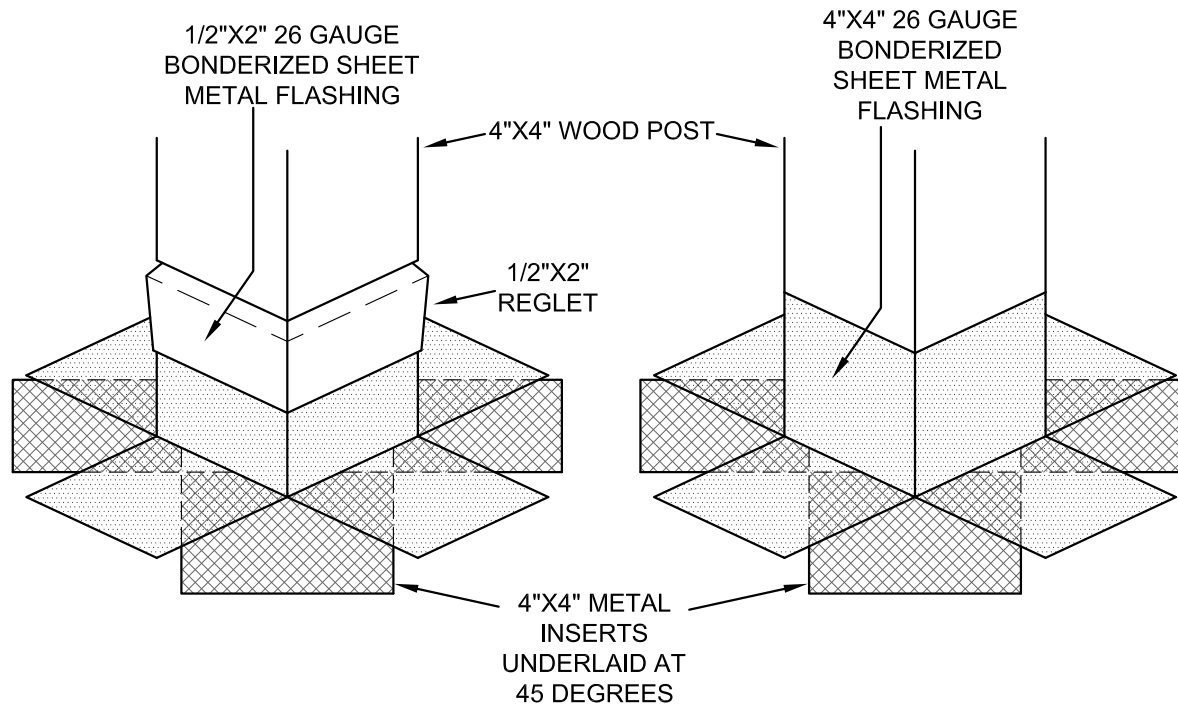
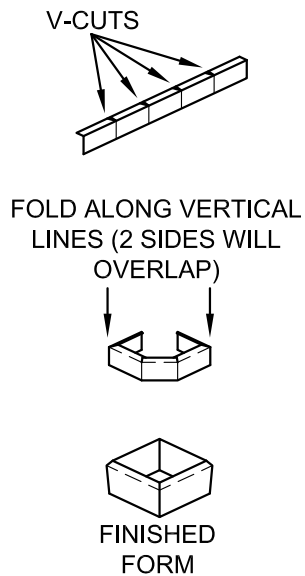
## WESTCOAT POST FLASHING & REGLET DETAIL

NOT TO SCALE

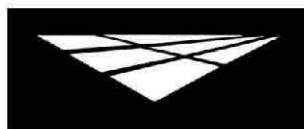
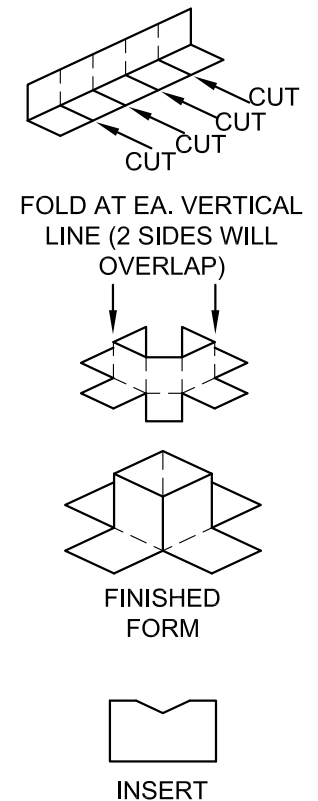
**NOTES:**

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS

**SITE BUILT  
REGLET**



**SITE BUILT  
FLASHING**



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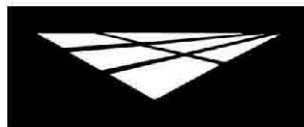
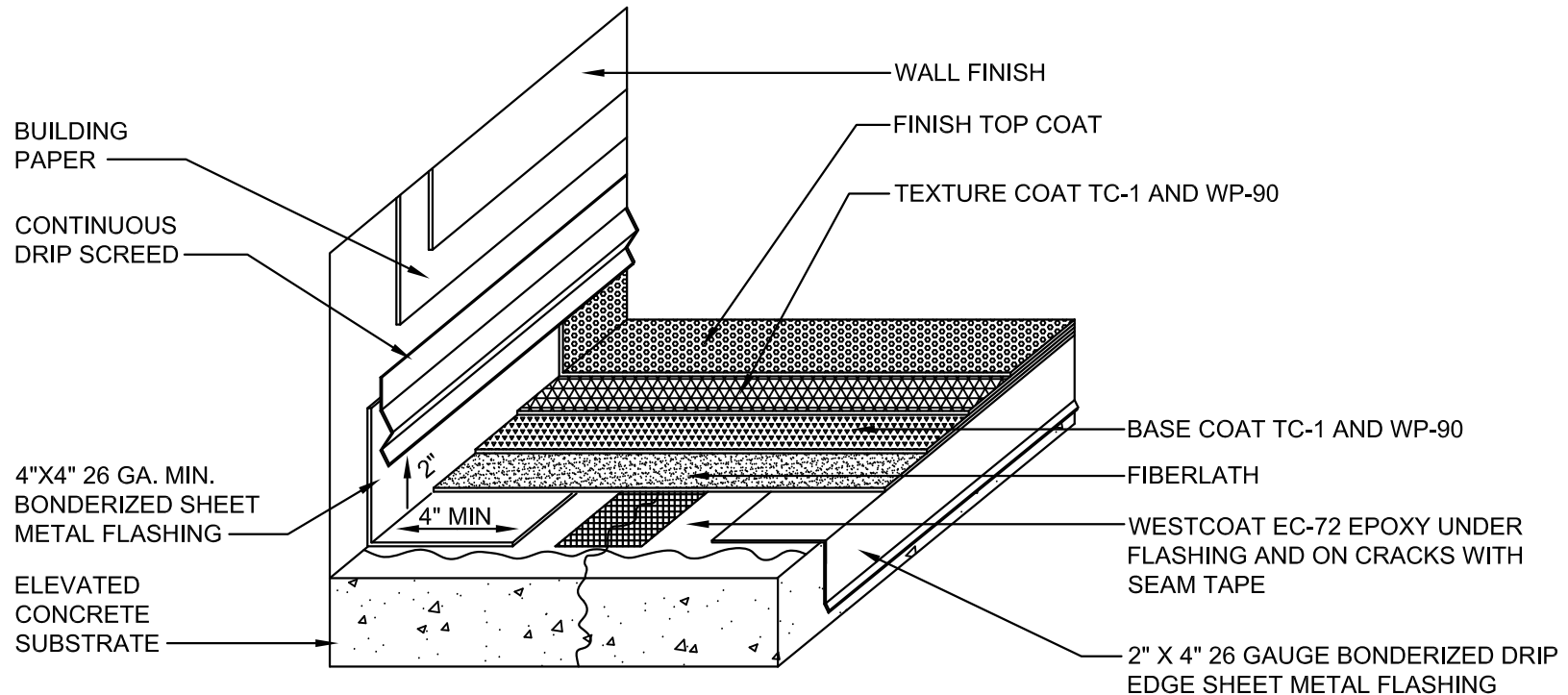
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## WESTCOAT MACOAT DECK EDGE & WALL-TO-DECK DETAIL (OVER CONCRETE)

NOT TO SCALE

### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



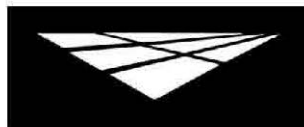
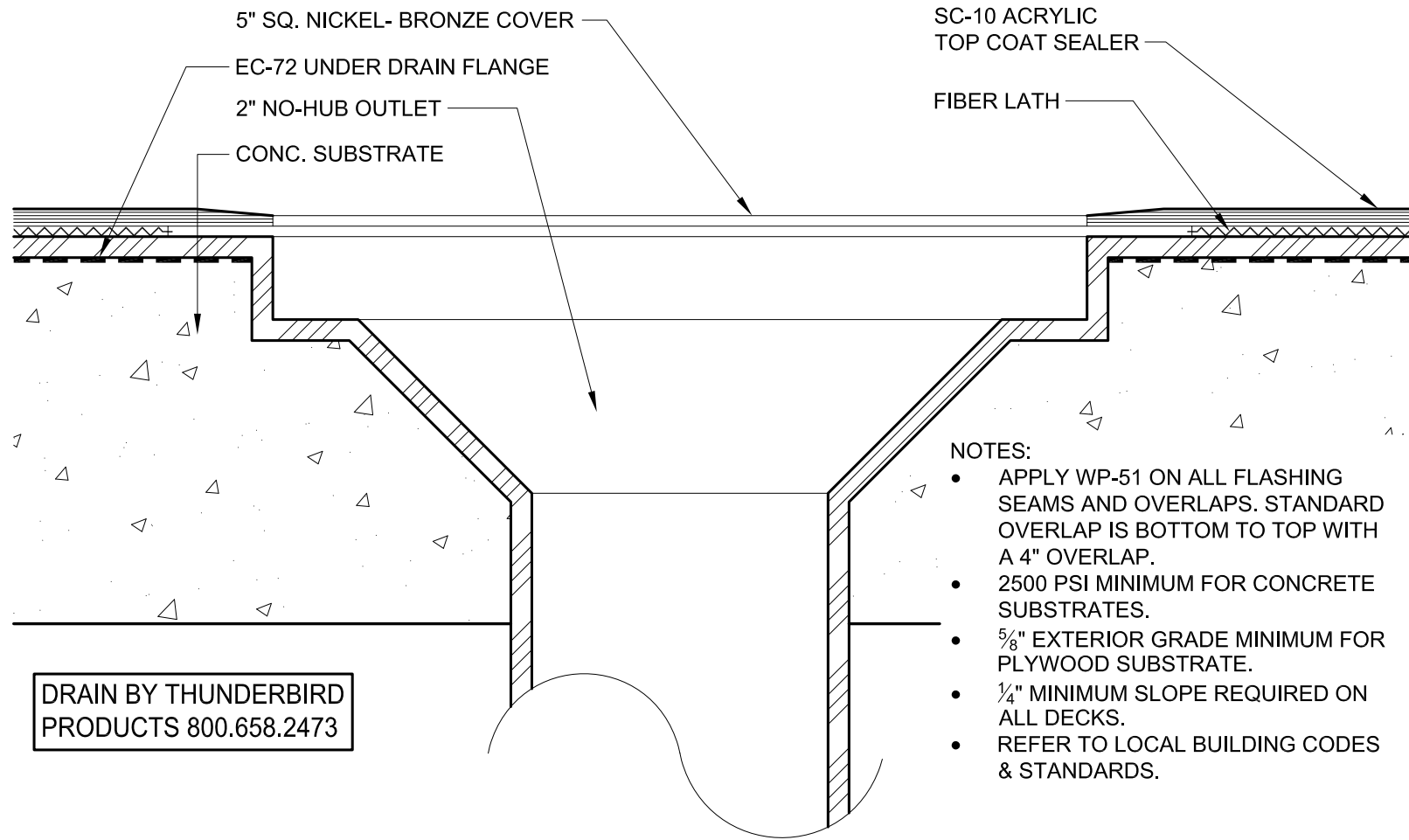
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# WESTCOAT MACOAT DRAIN FLASHING DETAIL (OVER CONCRETE)

NOT TO SCALE



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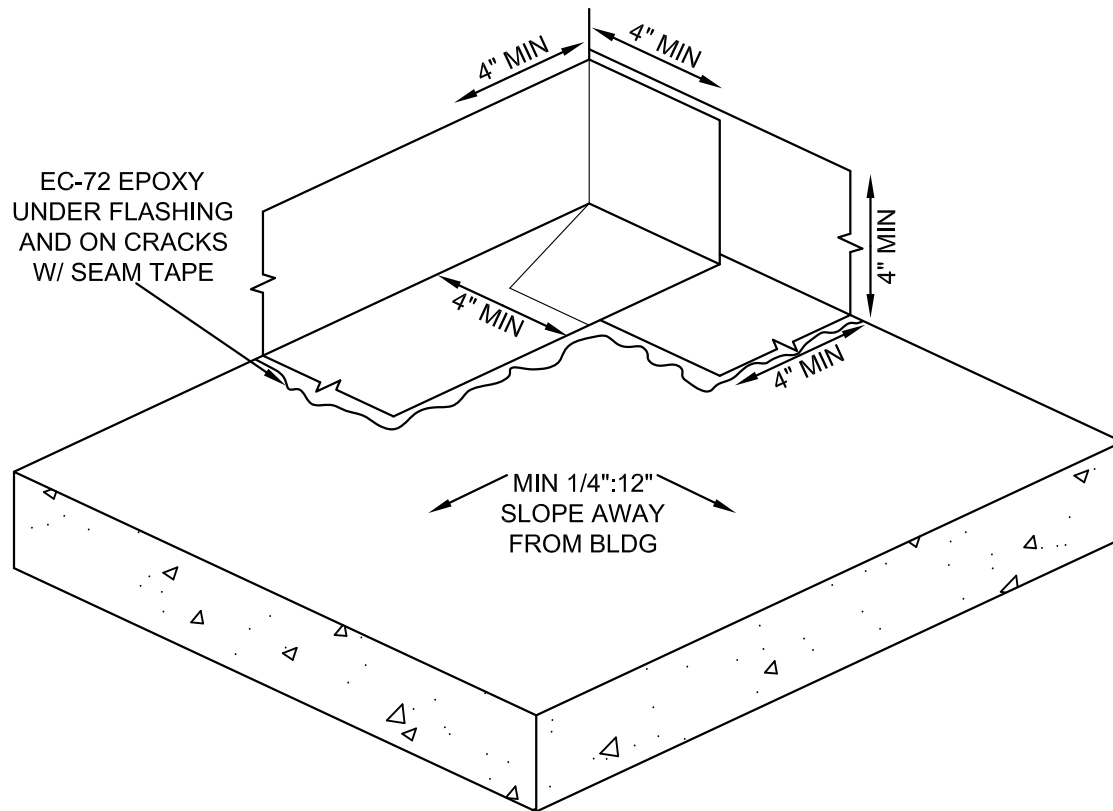
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## WESTCOAT MACOAT INSIDE CORNER FLASHING DETAIL (OVER CONCRETE)

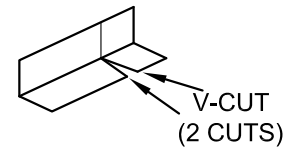
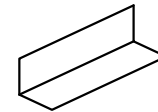
NOT TO SCALE

### NOTES:

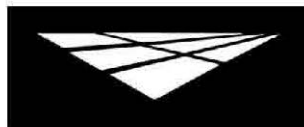
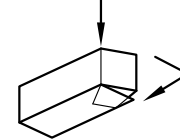
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### SITE BUILT PIECE



FOLD INWARD ALONG HERE



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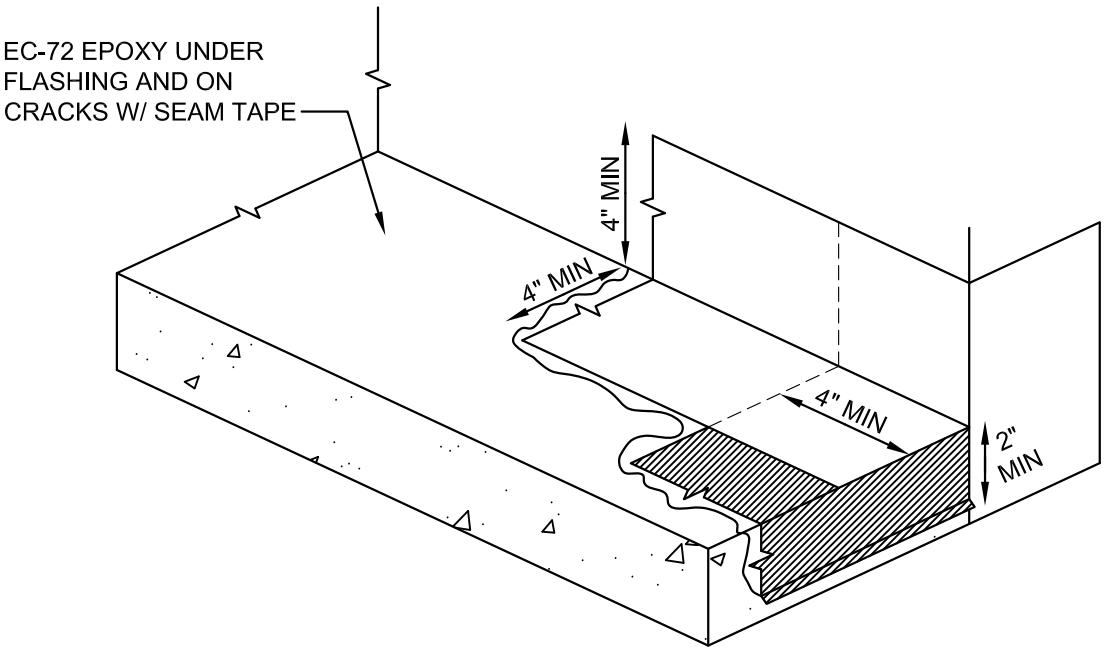
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**WESTCOAT MACOAT OUTSIDE CORNER FLASHING DECK TERMINATION DETAIL (OVER CONCRETE)**

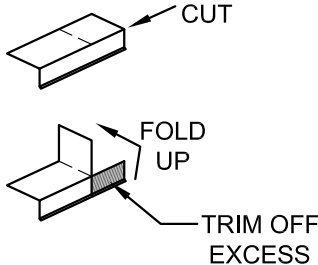
NOT TO SCALE

**NOTES:**

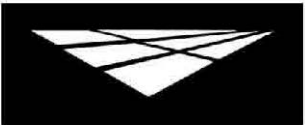
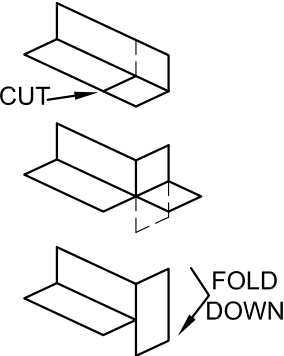
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- 5/8" EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- 1/4" MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



**FIRST PIECE**



**SECOND PIECE**



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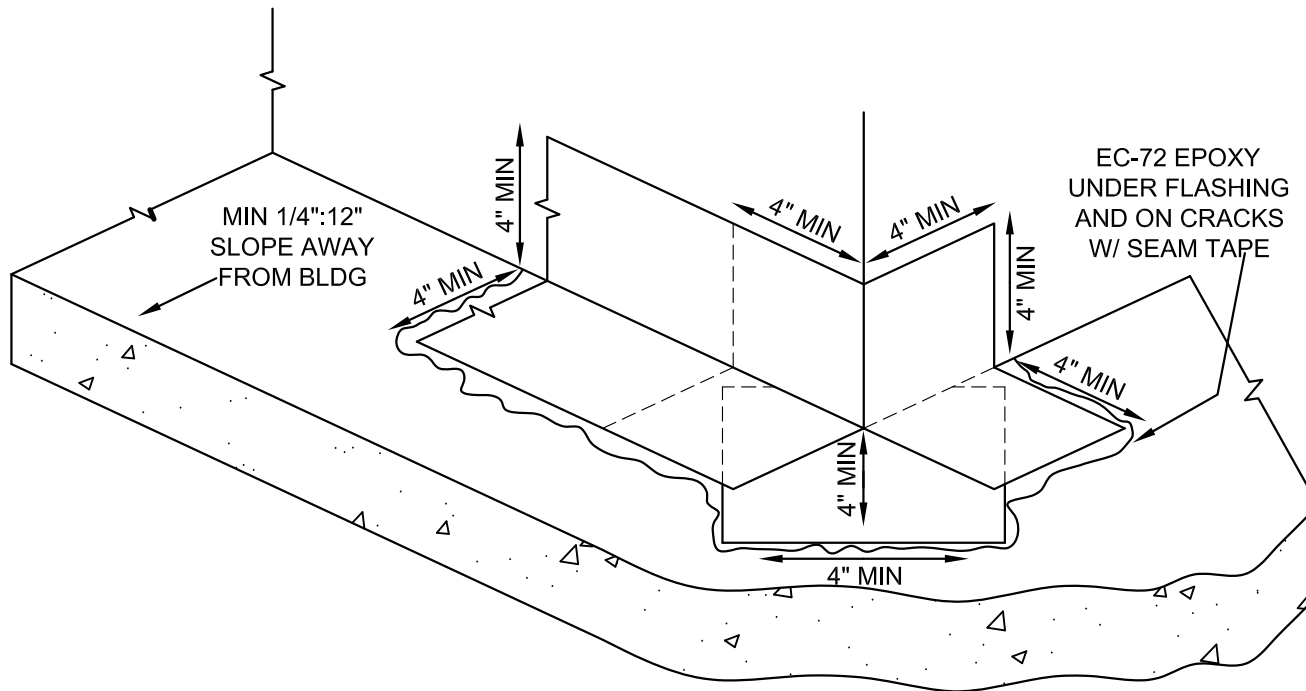


# WESTCOAT MACOAT OUTSIDE CORNER FLASHING DECK WRAPAROUND DETAIL (OVER CONCRETE)

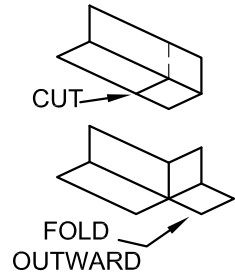
NOT TO SCALE

### NOTES:

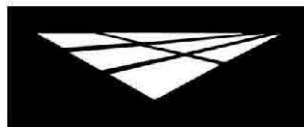
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### FIRST PIECE



### SECOND PIECE



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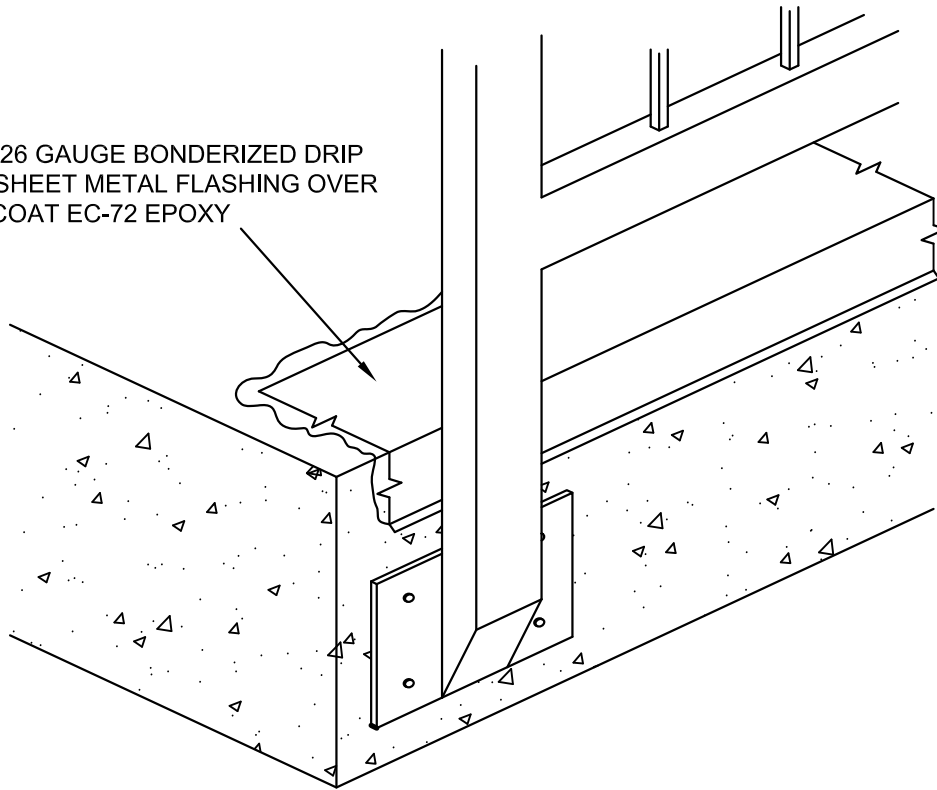
## WESTCOAT MACOAT SIDE MOUNT RAILING DETAIL (OVER CONCRETE)

NOT TO SCALE

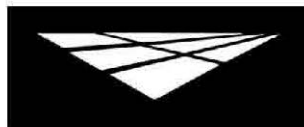
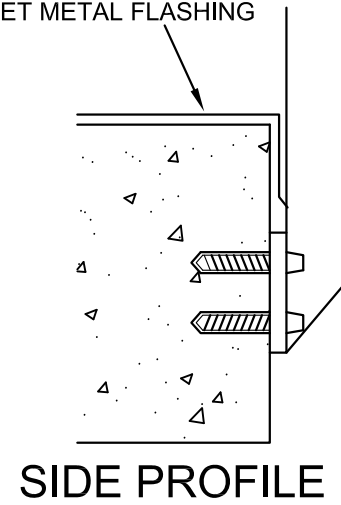
### NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS

2" X 4" 26 GAUGE BONDERIZED DRIP  
EDGE SHEET METAL FLASHING OVER  
WESTCOAT EC-72 EPOXY



2" X 4" 26 GAUGE  
BONDERIZED DRIP EDGE  
SHEET METAL FLASHING



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# WESTCOAT MACOAT TOP MOUNT RAILING DETAIL (OVER CONCRETE)

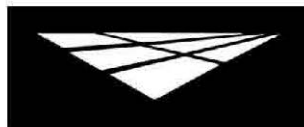
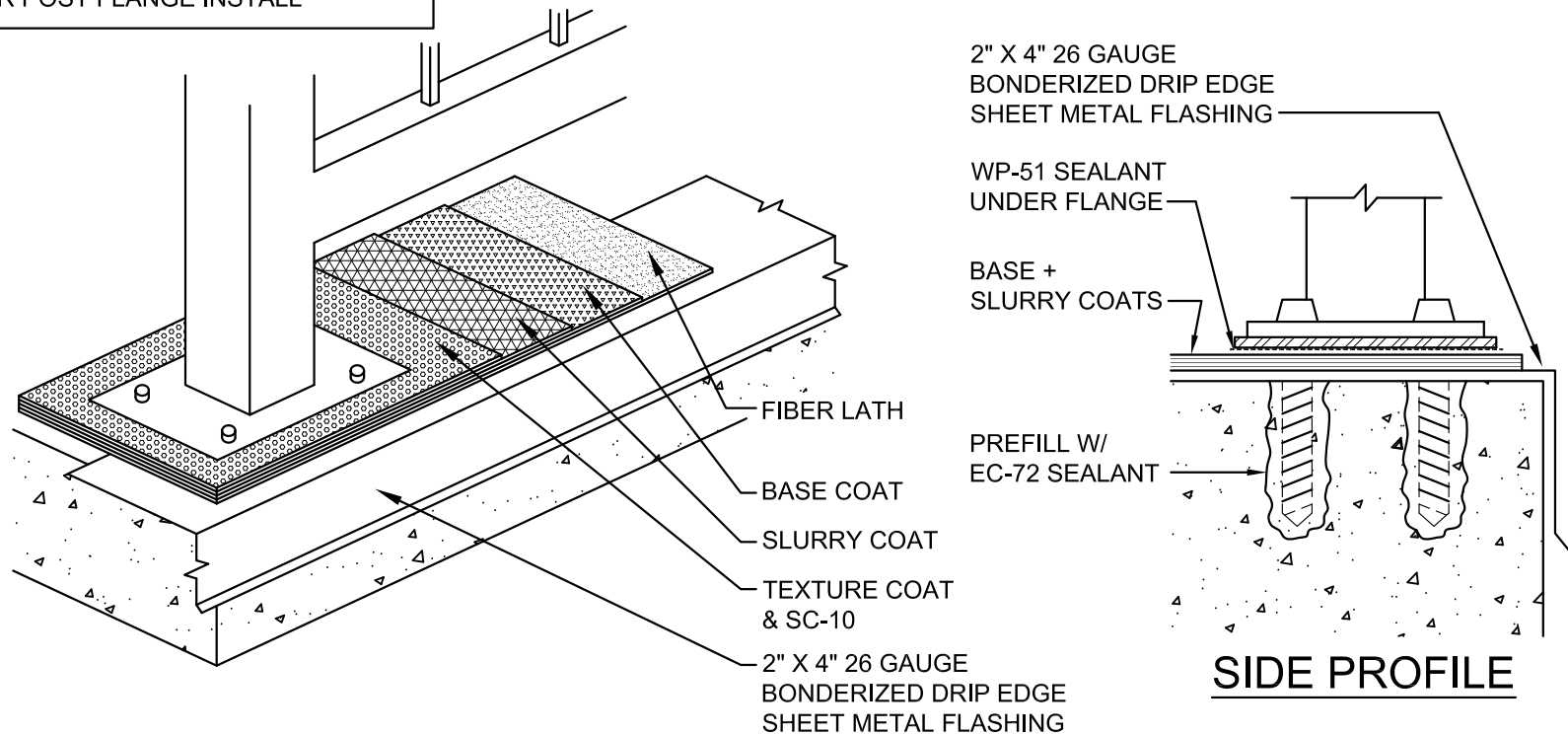
NOT TO SCALE

## NOTES:

- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS

## IMPORTANT NOTES:

1. POST TO BE INSTALLED ON TOP OF SLURRY COAT.
2. TEXTURE COAT SHOULD BE APPLIED AFTER POST FLANGE INSTALL



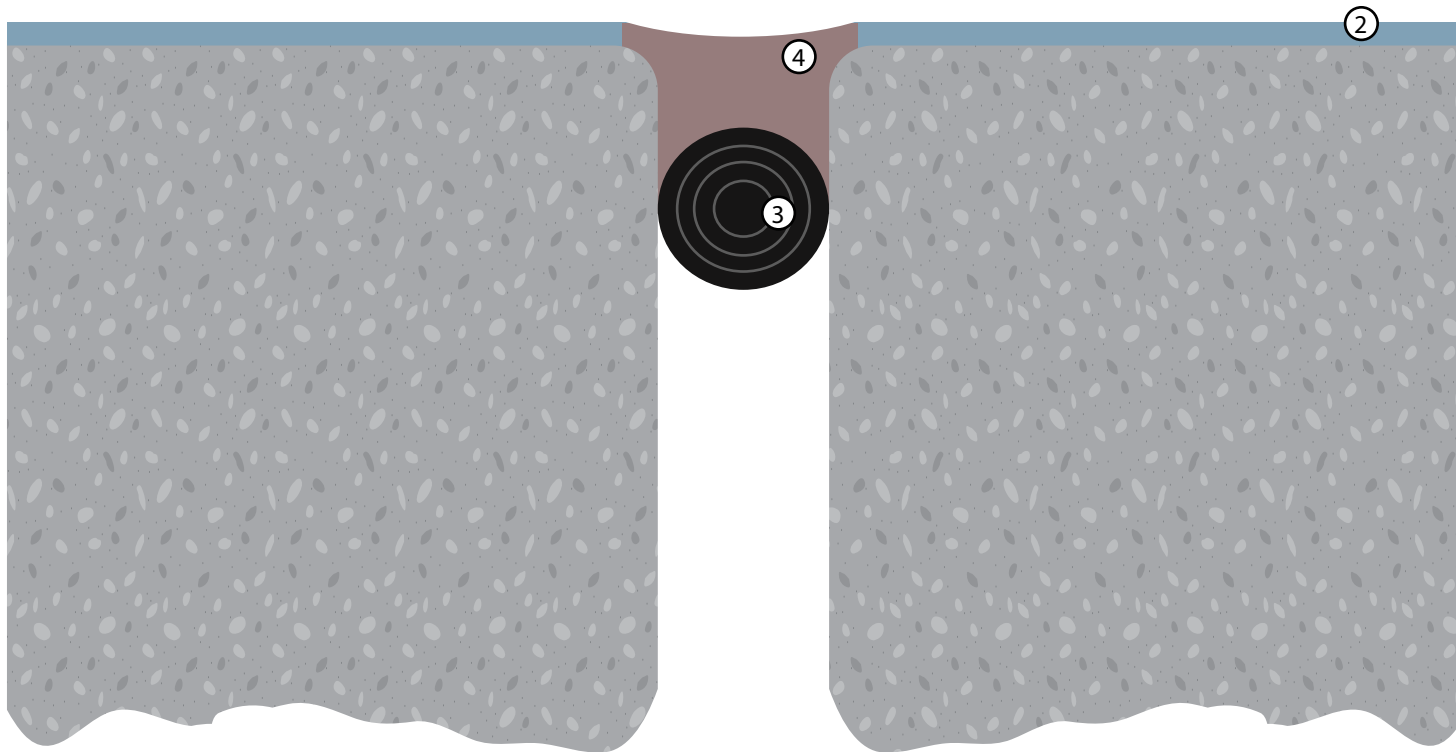
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# KEYNOTES

- ① Concrete Substrate
- ② MACoat System
- ③ Backer Rod
- ④ Polyurethane Joint Sealant (by others)



- Concrete must be a minimum 2,500 PSI.
- Concrete must be cured for a minimum 28 days.
- Concrete should be prepared to a profile equal to ICRI CSP 3.
- Refer to local building codes and standards.
- Refer to all Product and System Specifications for additional information.

REV. 9/4/20 TC

## MACOAT SYSTEM - EXPANSION JOINT DETAIL

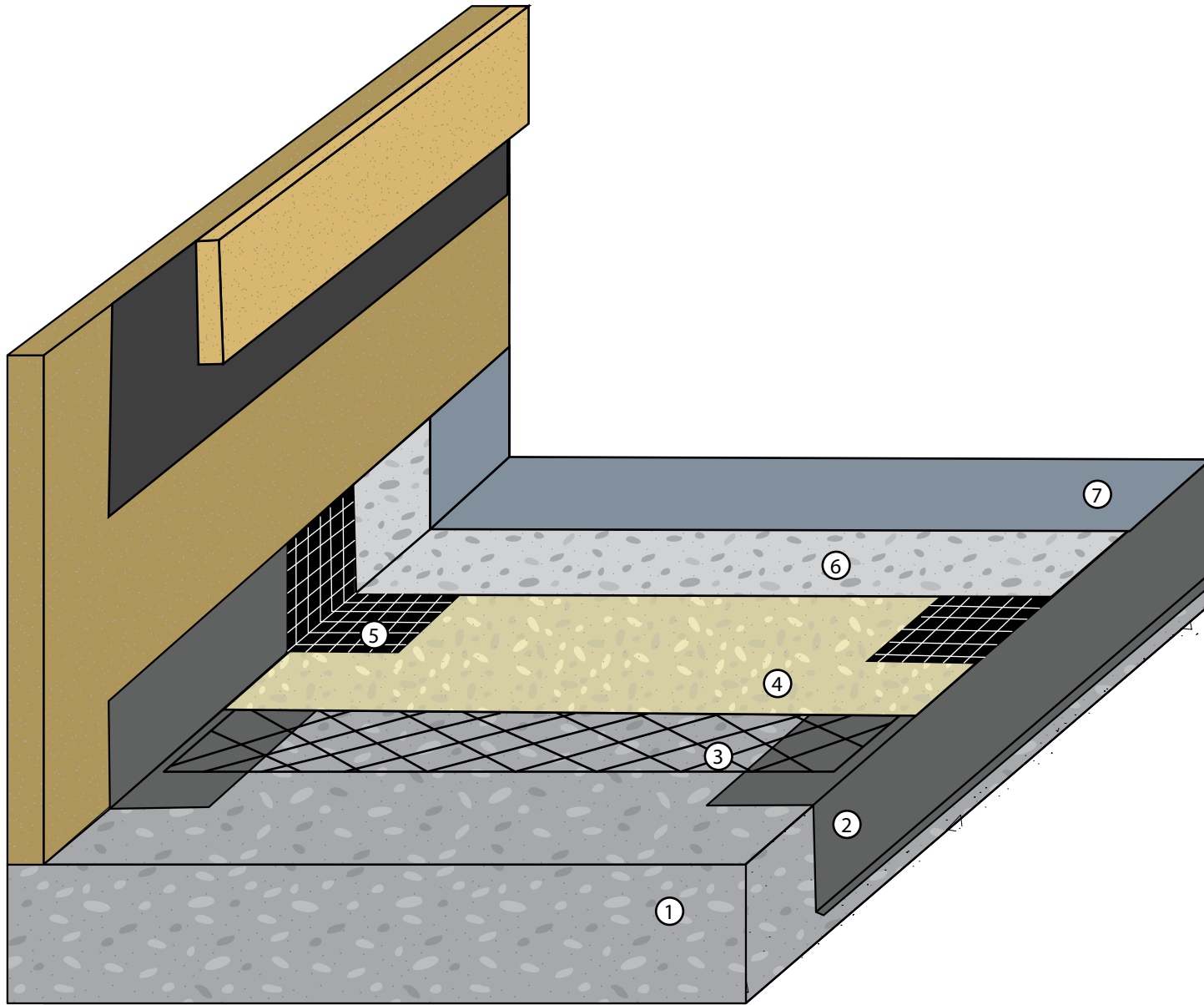
DIVISION 07 18 13  
Pedestrian Traffic Coatings

SCALE : NTS



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## KEYNOTES

- ① Concrete Substrate
- ② Bonderized Flashing
- ③ WP-47 Fiberlath
- ④ MACoat Base Coat
- ⑤ WP Wrap
- ⑥ MACoat Slurry Coat
- ⑦ SC-10 Acrylic Topcoat

- Concrete must be a minimum 2,500 PSI.
- Concrete must be cured for a minimum 28 days.
- Concrete substrate must be prepared to a profile equal to ICRI CSP 3.
- Refer to local building codes and standards.

REV. 10/24/19 TC

### WP WRAP - MACOAT STANDARD

SECTION 07 18 13  
PEDESTRIAN TRAFFIC COATINGS

SCALE : NTS



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