

**westcoat**®  
SPECIALTY COATING SYSTEMS

# MACOAT™ STANDARD



**WATERPROOF**  
RELIABLE MOISTURE BARRIERS



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# MACOAT STANDARD SUBMITTAL PACKAGE

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

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# SYSTEM BROCHURE



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# MACoat



## **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.**

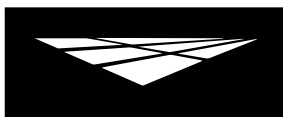
- Extensive Testing and Certifications
- Permeable Waterproofing
- Flexible
- Fast Drying
- Cost Effective
- Low VOCs - Environmentally Safe Acrylics
- Solar Reflective Option is CRRC approved.



**FOR PROFESSIONAL USE ONLY.**



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**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

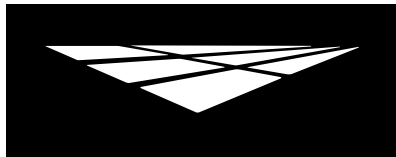


Primer Sheet Membrane MACoat Application



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# SYSTEM SPECIFICATION SHEET



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## SYSTEM SPECIFICATION

**WP**

**WATERPROOF**  
RELIABLE MOISTURE BARRIERS

**MACoat™**

**Standard Finish**

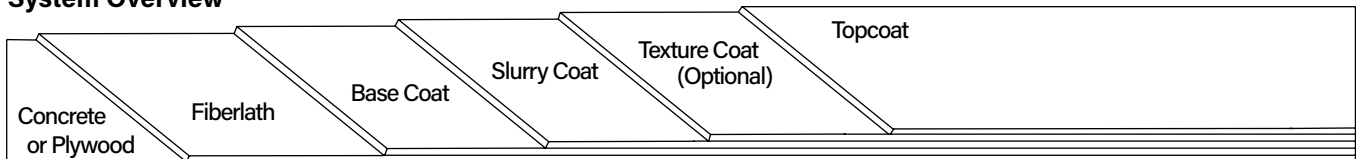
### Description

Westcoat's MACoat™ System is a fiberlath reinforced deck system installed with a series of two or three separate waterproof acrylic applications and sealed with Westcoat SC-10 Acrylic Topcoat. The finished product weighs approximately one pound per square foot. MACoat™ is a Class III permeable vapor retarder and waterproofer. It allows water vapor to migrate up and pass through the coating, while still shedding liquid water from off the top. This is different from most traditional urethane coatings, which are not permeable.

### Uses

The MACoat™ System is mainly used on elevated concrete and non-fire-rated plywood walking decks. MACoat™ 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

Coverages	Base Coat	Slurry Coat	Smooth Texture (Optional)	Knockdown Texture (Optional)	Topcoat
	220-260 ft² per batch	250-320 ft² per batch	300-350 ft² per batch	150-200 ft² per batch	200-300 ft² per gallon

**Components** [WP-51 Polyurethane Sealant](#)  
[EC-72 Epoxy Patch Gel](#)  
[WP-47H Fiberlath Heavy Duty](#)  
[WP-47A Seam Tape](#)  
[WP-90 Waterproofing Resin](#)  
[TC-1 Basecoat Cement](#)  
[SC-10 Acrylic Topcoat](#)

#### Shelf Life

1-2 years  
2 years  
5 years  
1 year  
2 years  
1 year  
2 years

**ER-587**



**Certifications** IAPMO ER-587  
Class A Fire Rating (over concrete)  
Meets AC-39 Standards for Walking Decks  
Meets 2020 City of Los Angeles Building and Residential Code (LABC & LARC)  
VOC Emission Test Certificate - Certificate No: 170824-01

### 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

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



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<b>WP</b>	<b>WATERPROOF</b> RELIABLE MOISTURE BARRIERS	<div> <div>MACoat™</div> <div>Standard Finish</div> </div>

### 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.

Plywood must be at least ¾ inch CDX or exterior grade and should not be Pressure-Treated. Slope must be a minimum of ¼ inch per linear foot. Decks should meet local building code. The deck should be tongue and groove properly blocked and screwed into place. Plywood shall have a maximum joist span of 16 inches. Deflection should be less than L/480. OSB is not a suitable substrate.

### Moisture

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

### Preparation

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. On plywood, be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion. "Dry" plywood is typically defined as having less than a 10% moisture reading or by showing no moisture with a plastic sheeting test. Applicator is responsible for ensuring that the substrate is acceptable for application. Do not apply to wet plywood.

### 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

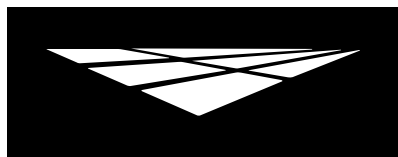
Cracks greater than ⅛ inch should be routed out ¼ x ¼ inch. Install WP-47A Seam Tape over all cracks and seams. Apply EC-72 Epoxy Patch Gel into the tape with a trowel or putty knife to smooth and broadcast with 30 grit silica sand to allow adhesion of the coating. Allow EC-72 3-4 hours to cure before 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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**Standard Finish**

### **Plywood Seams**

Seams should be dry and free of debris. WP-47A Seam Tape should be installed over all seams and metal flashing. Apply WP-51 Polyurethane Sealant (or EC-72 for a more ridged seam) into the tape with a trowel or putty knife to smooth. Broadcast with 30 grit silica sand to increase adhesion of the next coat.

An alternate way to minimize re-cracking of concrete and reduce movement of plywood seams is to place a 6 inch strip of WP-40 Sheet Membrane over the plywood seams or the cracks in the concrete as an anti-fracture treatment.

### **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**

Flash at the junction of the wall and plywood deck using 4 x 4 inch flashing. Flash the fascia with 2 x 4 inch drip edge flashing. Nail all flashing every 4 to 6 inches. Use a minimum of 26-gauge bonderized sheet metal. Flashing for concrete 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 or WP-53 Hybrid 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). If any repairs are needed on the flashing, where it was pinned or fastened, it is recommended to patch with EC-72. Be sure to broadcast #30 silica sand on any exposed EC-72 to ensure proper adhesion of the MACoat System.

### **Base Coat**

Lay out WP-47H Fiberlath Heavy Duty 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-47H, trowel thin and smooth at the coverage rate of 220-260 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 to 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.

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### Slurry Coat

Mix one bag TC-1 to five gallons of WP-90 (see Base Coat instructions for five gallon mix) and trowel the entire surface smooth and as thin as possible or at the rate of approximately 250 to 320 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 at 70 degrees) lightly scrape any trowel marks and vacuum the surface clean. You can now apply the Topcoat to complete the MACoat Standard Finish system or if a textured finish is desired, you can apply one of the two optional textures as described below, prior to applying the Topcoat.

### Stair Applications

When applying the MACoat system over stairs, ensure that the substrate is properly prepared as outlined previously. When applying the MACoat system over stairs, 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. Trowel mix directly onto the prepared substrate at a coverage rate of 220-260 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 70F degrees. Scrape off any high spots or ridges as needed.

Apply a tack coat of WP-90 Waterproofing Resin onto the vertical and adjacent horizontal surface using a brush or roller at a rate of 100-150 square feet per gallon. Immediately after the WP-90 has been applied and while the material is still wet, place the WP-45 Flashing Fabric (fuzzy side down) into the wet WP-90, overlapping successive runs of fabric edges and ends, a minimum of 2 inches. Make sure the WP-45 fabric is fitted tightly in corners and around protrusions. Apply an additional coat of WP-90 over the WP-45 at a rate of 50 square feet per gallon. No dry fabric spots should be visible and the fabric should be completely flat and without wrinkles. Let dry a minimum of 4-6 hours (77F degrees - 50% humidity) or until the final coat of WP-90 is completely dry, before applying the Slurry Coat. Applications in the shade, cooler temperatures or high humidity conditions will require additional dry time. Do not coat over wet material.

### Smooth Texture (Optional)

For a smooth texture, mix one bag TC-1 to five gallons of WP-90 and trowel the entire surface smooth or at the rate of 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 cement has dried (30 minutes to 1 hour at 70 degrees) lightly scrape any trowel marks and vacuum the surface clean. You are now ready to apply the Topcoat.

### Knockdown Texture (Optional)

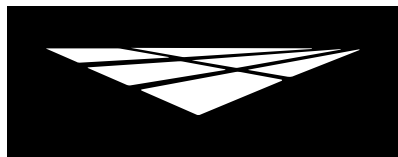
If a knockdown texture is desired, combine 1 bag of TC-3 Medium Texture Cement with 1 gallon of WP-90 Waterproofing Resin. WP-81 may be used for concrete applications. Mix thoroughly with a mechanical mixer. Add up to ½ gallon of water to achieve the desired consistency. Using an acoustical hopper gun, spray the texture onto the deck with a circular motion to achieve approximately 70% coverage at a rate of about 150-200 square feet per batch. Spray continuously, do not stop in the middle of the deck. After a few moments depending on the temperature, the texture must be "knocked down" using a rounded pool trowel for best results. Wipe the trowel clean with a wet rag as needed.

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**Standard Finish**

For an Orange Peel Texture, increase the air pressure and reduce the hole size of the hopper gun. Spray texture evenly at a 90% coverage. If you are unsatisfied with the results, immediately scrape off and re-spray.

After the texture has dried (30 minutes to 1 hour at 70 degrees), lightly scrape any trowel marks and vacuum the surface clean prior to applying the Topcoat. To avoid making impressions, the applicator should wear spiked shoes.

### **Topcoat**

Do not apply if rain is forecast within 48 hours or heavy dew within 24 hours. If multiple batches of SC-10 are present, box all materials prior to use, to ensure color consistency. Use a mechanical mixer at a slow speed and mix material until a homogenous mixture and color is obtained. The material may be thinned by adding up to a maximum of one quart of water per gallon, for the first coat. For best results, it is not recommended to thin the final coat. Roll two thin applications of SC-10 using a  $\frac{3}{4}$  inch roller at a rate of 200-300 square feet per gallon. Roll the material in two directions to achieve a uniform finish. Coverage will vary according to texture. For best results, allow SC-10 4-6 hours drying time at 70 degrees before permitting light pedestrian traffic or additional coats are applied. Allow 24 hours to cure before heavy traffic is permitted. Allow 48 hours before heavy objects are placed on the surface and allow 72 hours for vehicular traffic. Allow 5 days prior to any abrasion or chemical exposure.

### **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.

#### **Cement Additives**

- CA-15 Cement Accelerator can be added to Westcoat cements to help reduce dry times.
- CA-16 Cement Decelerator can be added to Westcoat cements to increase working time during periods of hot weather.

#### **Low Odor Cement Modifier**

- If a lower odor cement modifier is required, WP-82 Cement Modifier Low Odor can be used in lieu of WP-81 for concrete applications.

#### **Skid Resistance**

- 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.

#### **Sloping**

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

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

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### Clean Up

Uncured acrylic material can be removed with soap and warm water. If cured, material can only 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.

### 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.

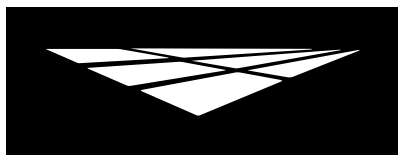
### Limitations

- 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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#### Test Data

Test	MACoat™ Standard over Concrete
Accelerated Aging ASTM D-756	Pass
Fire-Retardant Roof Covering ASTM E-108	Class A
One-Hour Fire Test ASTM E-119	--
Bond Strength (Control) ASTM C-297	Pass
Bond Strength (Accel. Aging) ASTM-C297	Pass
Bond Strength (Freeze-Thaw) ASTM C-297	Pass
Abrasion ASTM D-1242	.016 inches
Water Absorption ASTM D-570	3.86%
Chemical Resistance ASTM D-2299	Pass
Freeze-Thaw ASTM C-67	<1%
Concentrated Load AC-39 Section 4.12	Pass
Impact Resistance ASTM D-3746	Pass
Surface Burning Characteristics ASTM E84-17	Class B
Permeance (perms) ASTM E96/E96M-10	4.92 perms

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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 Dampproofing 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)
- D. ChearChem/ Berkeley Analytical IAS TL-383 VOC approved.

**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. Cited Standards for reference for applications over concrete:
  - 1. Accelerated Aging (ASTM D756)
  - 2. Fire-Retardant Roof Covering (ASTM E108)
  - 3. Bond Strength (ASTM C-297)
  - 4. Abrasion Resistance (ASTM D1242)
  - 5. Water Absorption (ASTM D570)
  - 6. Chemical Resistance (ASTM D2299)
  - 7. Freeze-Thaw (ASTM C67)
  - 8. Concentrated Load (AC-39 Section 4.12)
  - 9. Impact Resistance (ASTM D3747)
  - 10. Surface Burning Characteristics (ASTM E84-17)
  - 11. Water Vapor Transmission (ASTM E96)
  - 12. VOC Emission Test (CDPH/EHLB/Standard Method Version 1.2, 2017)
- B. All materials used in the pedestrian traffic system shall be manufactured and provided by a single manufacturer to ensure compatibility and proper bonding.
- C. 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.
- D. 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.
- E. 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](http://www.westcoat.com).

### 2.02 MATERIALS

- A. As basis of design Westcoat MACoat Standard 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 topcoat.

### 2.03 COMPONENTS

- A. MACoat Standard 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. Smooth Texture 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 300 to 350 square feet per batch.
  6. Knock Down Texture Coat: Combine one 50 pound bag of TC-3 Medium Texture Cement, one gallon of WP-90 Waterproofing Resin (for concrete substrates, one gallon of WP-81 Cement Modifier may be used), and up to ½ gallon of water. Apply by acoustical hopper gun to achieve a knock down texture at 150 to 200 square feet per batch.
  7. Topcoat: Apply desired color of SC-10 Acrylic Topcoat in two thin applications at 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 if 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 OVER the SC-10 when a low odor, solvent free, mar and chemical resistant gloss finish is required.
10. SC-65SG Pigmented WB Semi-Gloss Polyurethane may be used IN LIEU of SC-10 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-10 or SC-65SG Semi Gloss when a low odor, solvent free, mar and chemical resistant flat finish is required.
12. EC-95G Gloss Polyurethane Topcoat can be used IN LIEU of SC-10 when a gloss, solvent-based polyurethane is required.
13. EC-95F Flat Polyurethane Topcoat can be used OVER the EC-95G when a flat, solvent-based polyurethane 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**®  
SPECIALTY COATING SYSTEMS

# EVALUATION REPORT



**WESTCOAT**  
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**(800) 250-4519**  
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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)
- 2019 California Building Code (CBC) – attached Supplement
- 2019 California Residential Code (CRC) – attached Supplement
- 2020 City of Los Angeles Building Code (LABC) – attached Supplement
- 2020 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).



### 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.

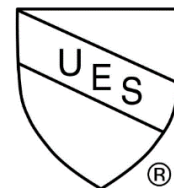
**f) WP-51 Polyurethane Sealant:** The WP-51 sealant is used along with bonderized flashing, for sealing all seams and overlaps. The shelf life is one year in a 10-ounce and two years in 20-ounce unopened cartridges, respectively, and stored at temperatures ranging from 40°F to 100°F.

**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 either the IAPMO Uniform Evaluation Service Mark of Conformity (as shown below) or the IAPMO 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.



# EVALUATION REPORT

Number: **587**

Originally Issued: 03/29/2022

Revised: 03/22/2024

Valid Through: 03/31/2025

## 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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**San Diego, CA 92102**

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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, and ALX Pro Custom and MaCoat Systems recognized in this 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:

- 2019 California Building Code (CBC)
- 2019 California Residential Code (CRC)

#### **2.0 ADDITIONAL LIMITATIONS**

**2.1** 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.

**2.2** 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.

**2.3** 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, and ALX Pro Custom and MaCoat Systems comply with the intent of the provisions of the following codes and regulations:

- 2020 City of Los Angeles Building Code (LABC)
- 2020 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 may be used as Class A roof covering systems in accordance with Sections 1505.2 of the 2020 LABC or R902.1 of the 2020 LARC.

**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** The Westcoat ALX Standard, ALX Custom, ALX Pro Standard, and ALX Pro Custom shall have a minimum substrate of 5/8-inch-thick exterior-grade plywood.

**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)).

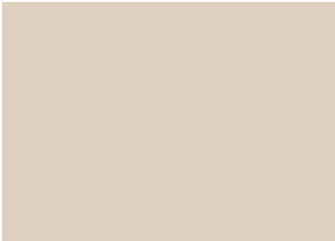
**2.6** This supplement expires concurrently with ER-587.

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)

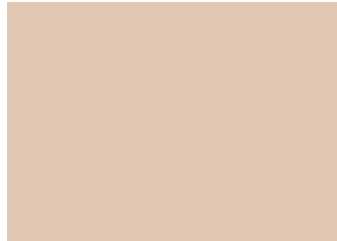


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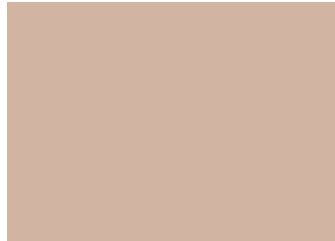
# COLOR CHART



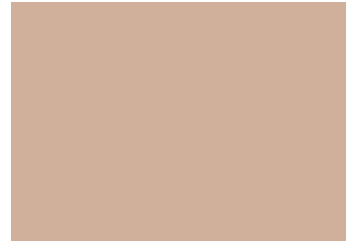
Porcelain | 75



Travatan | 40



Arizona Tan | 82



Sandy Beige | 78



Sand | 11



Omaha Tan | 53



Spanish Brown | 43



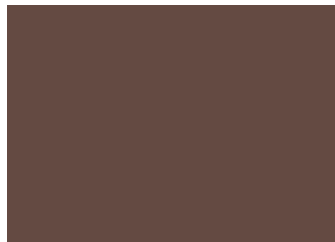
Deep Tan | 27



Cashew | 79



Rosewood | 77



Espresso | 74



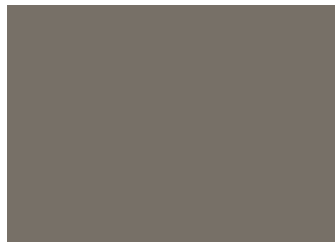
Mission Red | 76



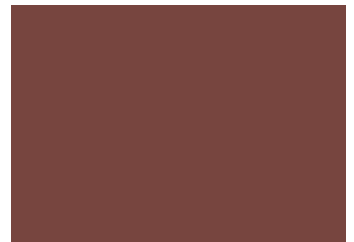
Concrete Gray | 52



Rocky Nook | 26



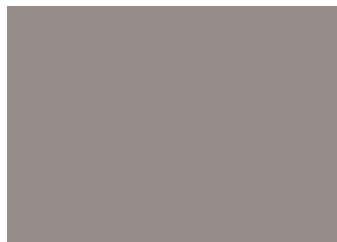
Pewter Gray | 12



Tile Red | 34



Cape Cod Gray | 41



Anchor Gray | 80



Stone Gray | 42



Slate Blue | 14

Black and White also available. See SC-10 Topcoat color chart online for more information, colors and lead time.



**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.





Color   Product Number	Availability
Porcelain   75	Made To Order
Travatan   40	Stock
Arizona Tan   82	Stock
Sandy Beige   78	Stock
Sand   11	Stock
Omaha Tan   53	Stock
Spanish Brown   43	Stock
Deep Tan   27	Stock
Cashew   79	In Stock 5 Gallon
Rosewood   77	Made To Order
Espresso   74	Stock Made To Order
Mission Red   76	Stock
Concrete Gray   52	Stock
Rocky Nook   26	Stock
Pewter Gray   12	Stock
Tile Red   34	Made To Order
Cape Cod Gray   41	Stock
Anchor Gray   80	In Stock 5 Gallon
Stone Gray   42	Stock
Slate Blue   14	Made To Order

Lead times based on 1, 1.5, and 2 gallon units

Stock = 2 day lead time | Made To Order = 10 day lead time

Extended manufacturing time may apply to larger volume orders.

Custom Colors available with color matching fee, minimum order and extended manufacturing time.





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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 professional applicator with experience installing the Westcoat MaCoat or equivalent systems and subject to all terms and conditions set forth below.

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 MaCoat system requires a maintenance topcoat with WESTCOAT ACRYLIC TOPCOAT (or Westcoat Sealer) as specified every three to five years (depending on ultraviolet exposure and/or traffic) as determined by a Westcoat QCA, licensed contractor or design professional. Inspections are required one year after installation and every two years thereafter by a Westcoat QCA, licensed contractor or design professional. 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



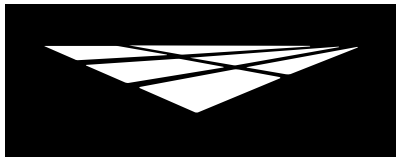
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# GENERAL MAINTENANCE



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**CARE &  
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.

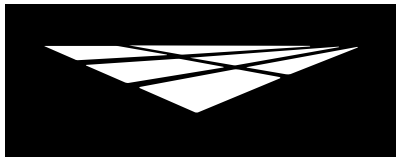
Ensure that the coating surface is free from debris such as sand, gravel, metals, or other abrasives that can result in premature wear of the topcoat or sealer. Grease, oils, and other contaminants should be removed regularly to maintain the surface.

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.



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## 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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2 of 2  
General Maintenance EXT 8/22



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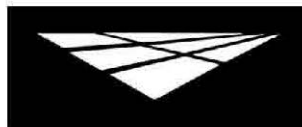
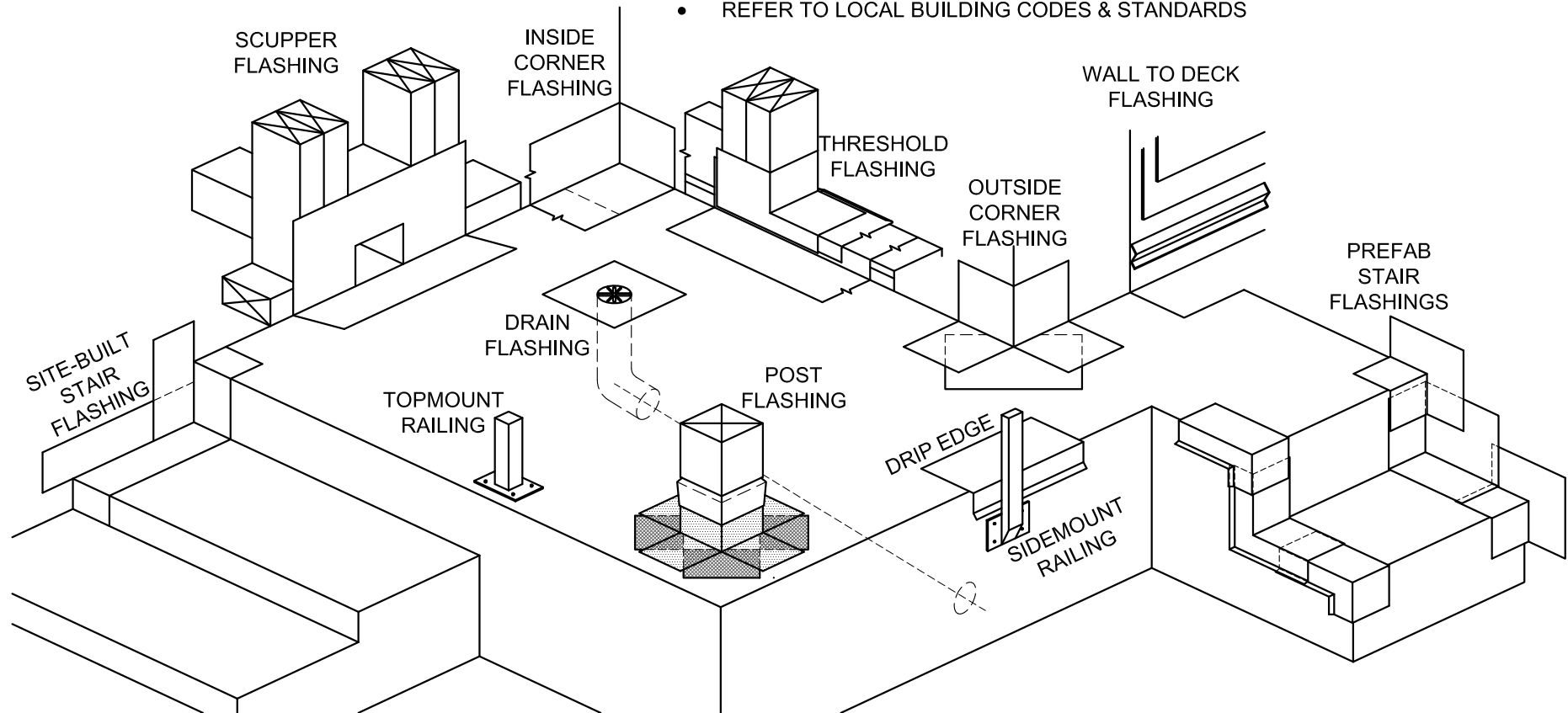
# ARCHITECTURAL DETAILS

## 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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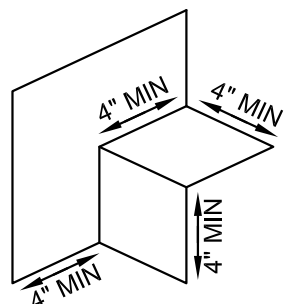
## WESTCOAT STAIR FLASHING DETAIL

NOT TO SCALE

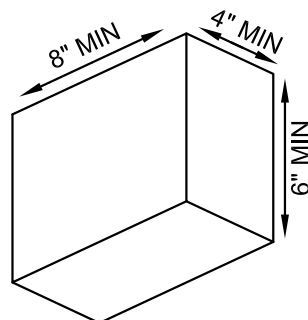
### NOTES:

- 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

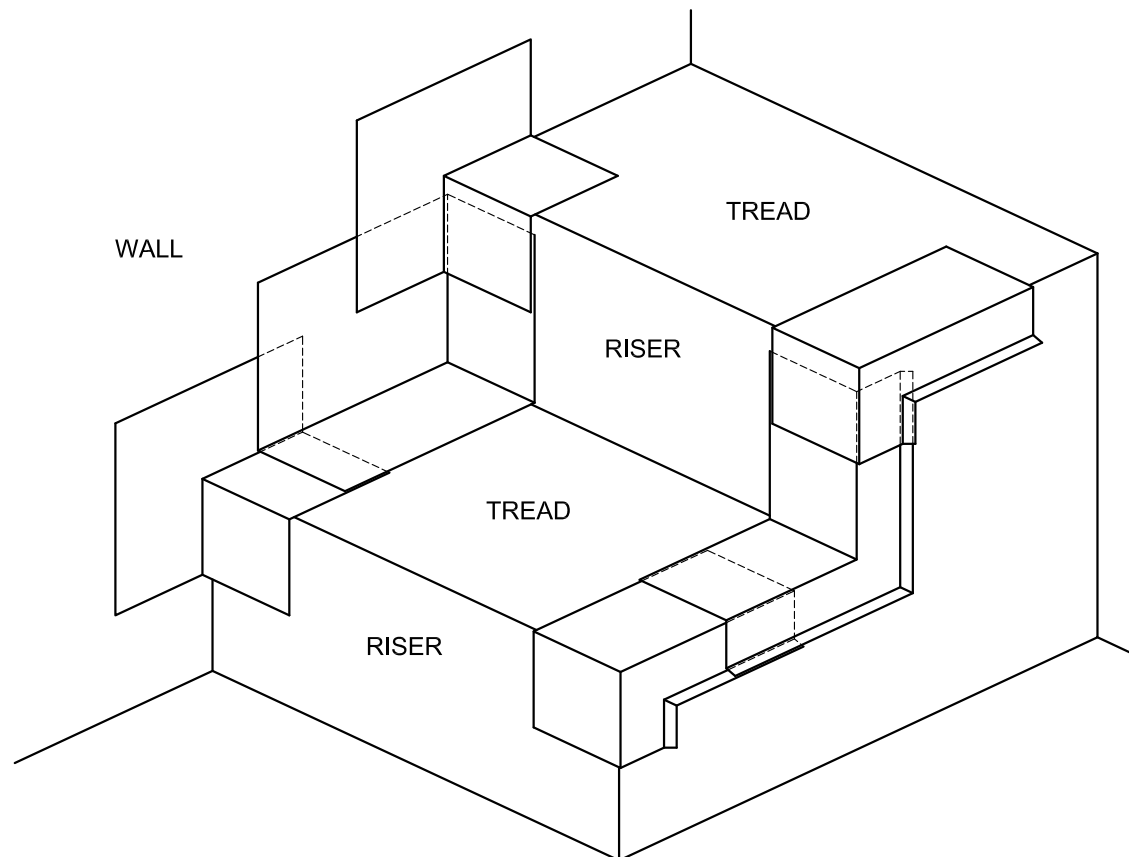
### PREFAB PIECES (INSIDE STAIRS)



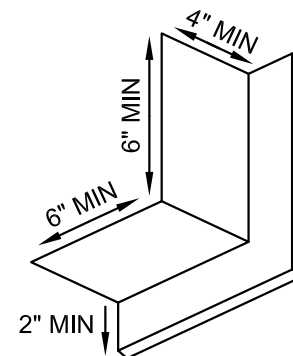
WP-270  
SEALANT



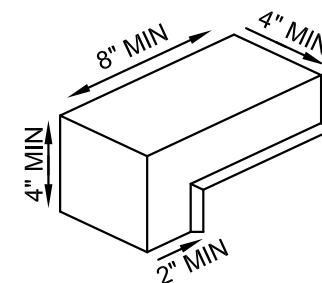
WP-271  
SEALANT



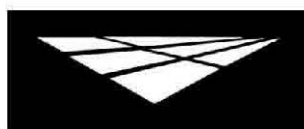
### PREFAB PIECES (OUTSIDE STAIRS)



WP-281  
SEALANT



WP-280  
SEALANT



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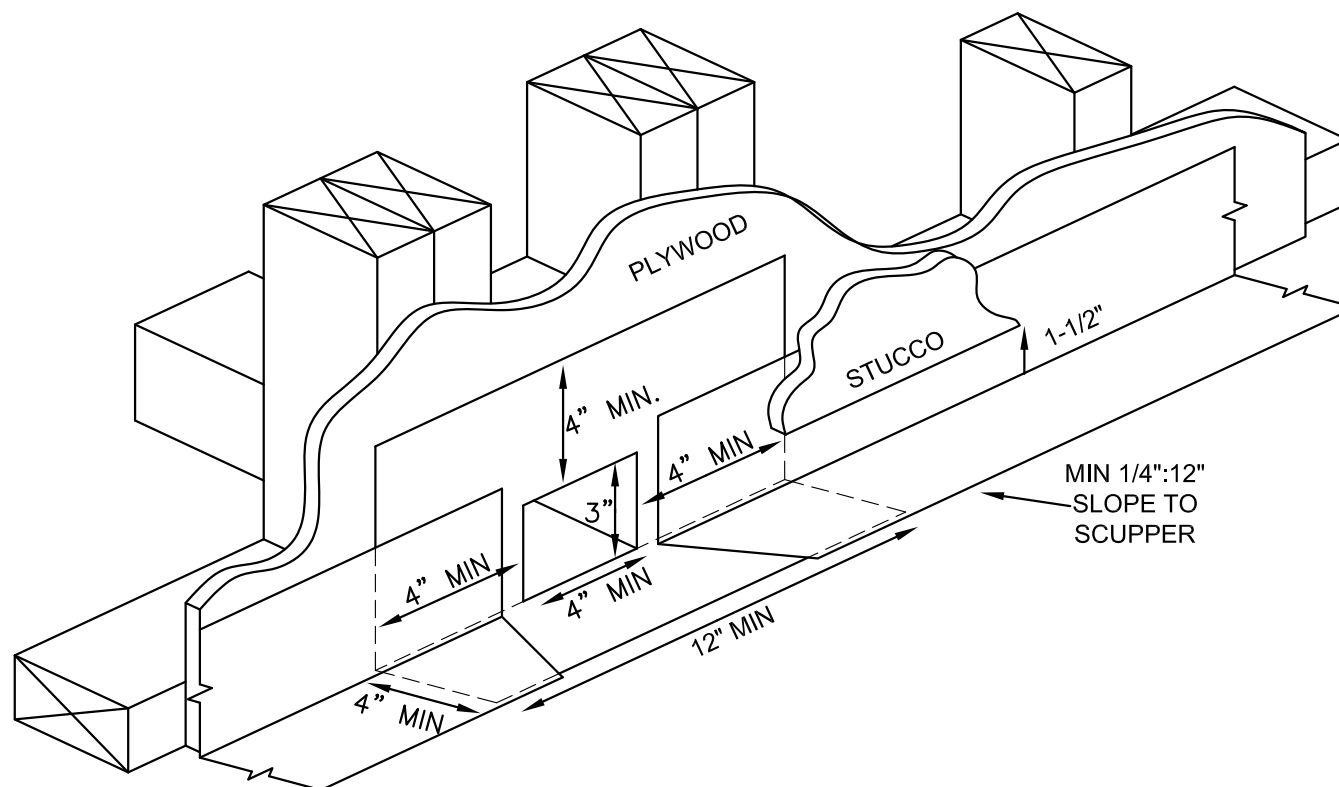
www.westcoat.com  
SAN DIEGO, CA. 92102

## WESTCOAT SCUPPER FLASHING DETAIL

NOT TO SCALE

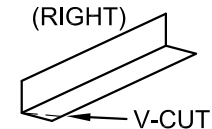
### NOTES:

- 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

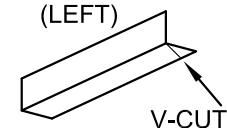


### SITE-BUILT PIECES

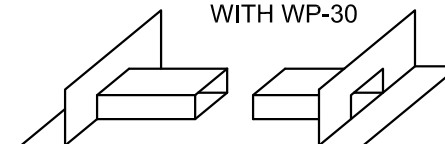
(RIGHT)



(LEFT)

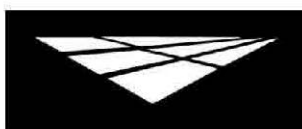


### PREFABRICATED SCUPPER FLASHING WITH WP-30



BACK

FRONT



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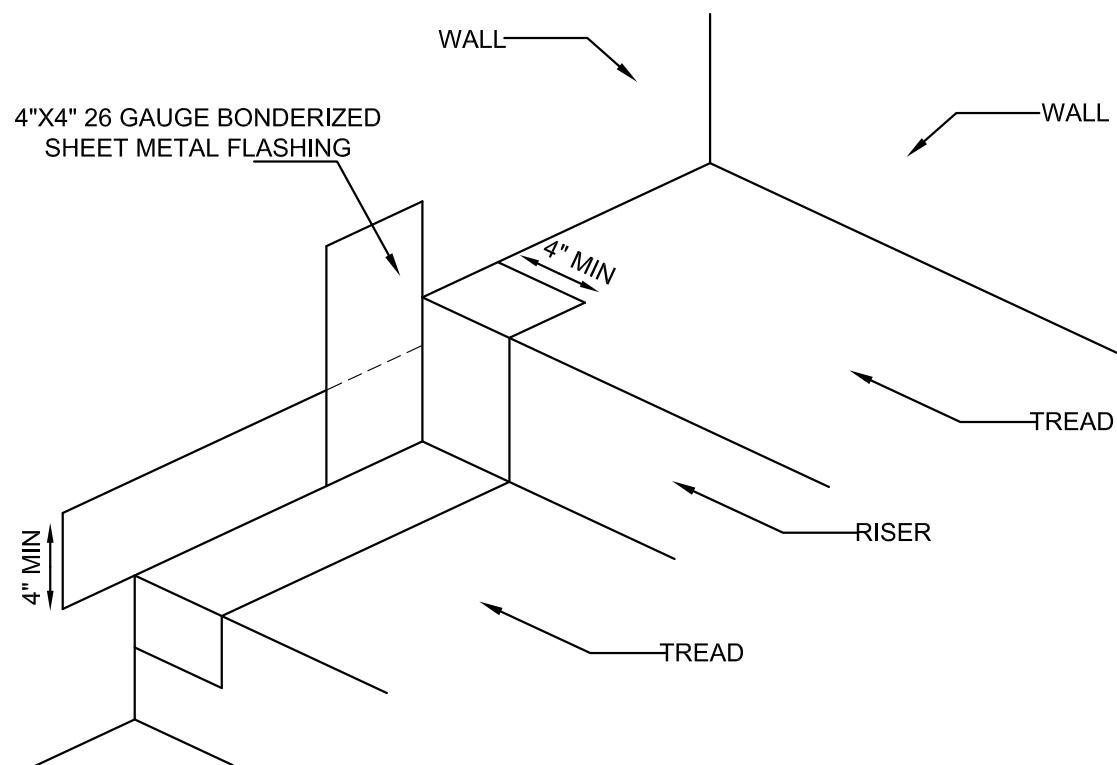


## WESTCOAT STAIR FLASHING DETAIL

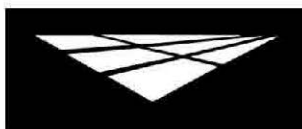
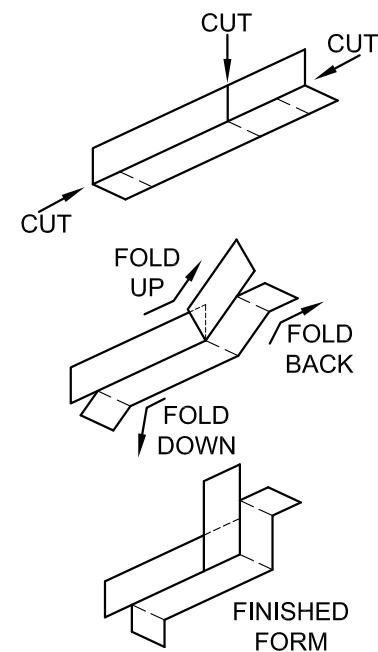
NOT TO SCALE

### 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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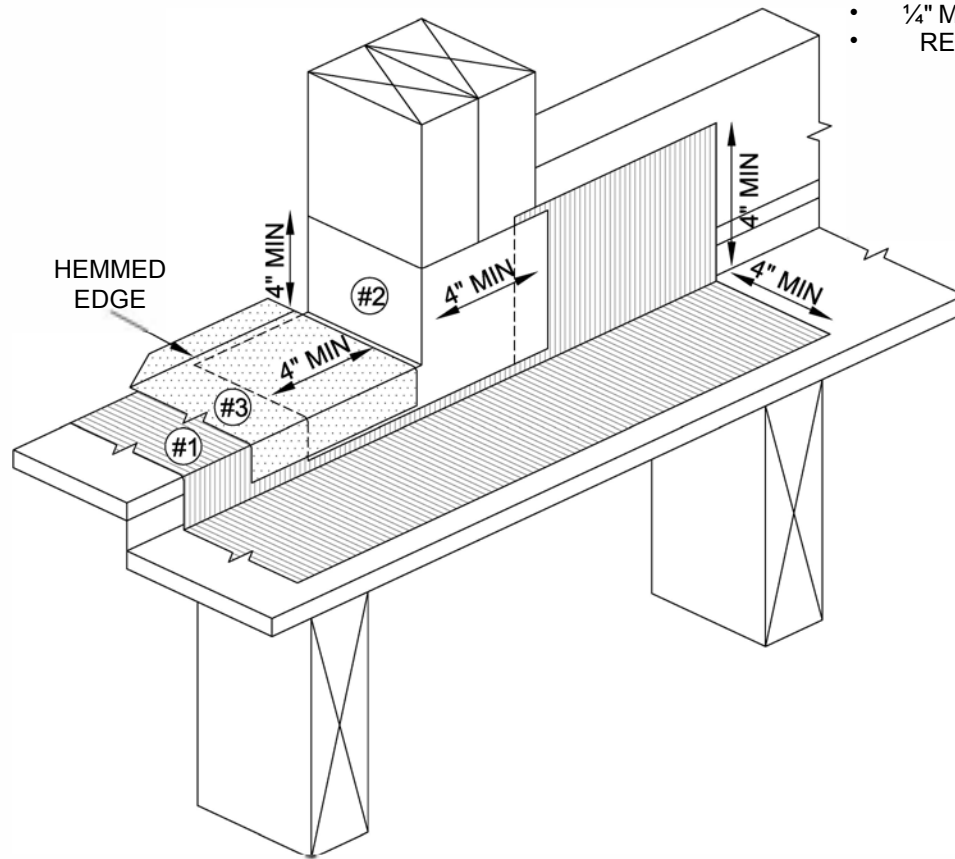
www.westcoat.com  
SAN DIEGO, CA. 92102

## WESTCOAT THRESHOLD FLASHING DETAIL

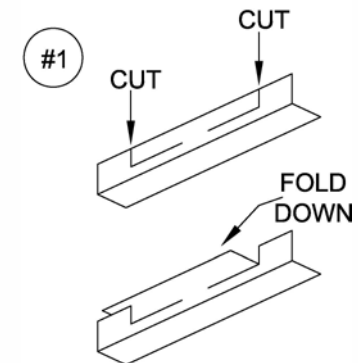
NOT TO SCALE

### NOTES:

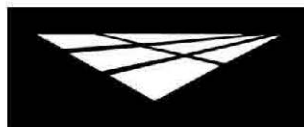
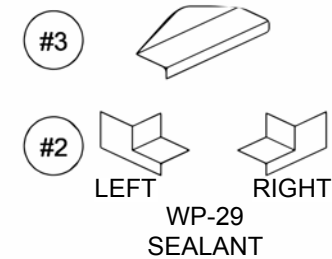
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STD. OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{3}{4}$ " EXTERIOR GRADE MINIMUM FOR PLYWD. SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### SITE BUILT PIECE



### PREFAB. PIECES



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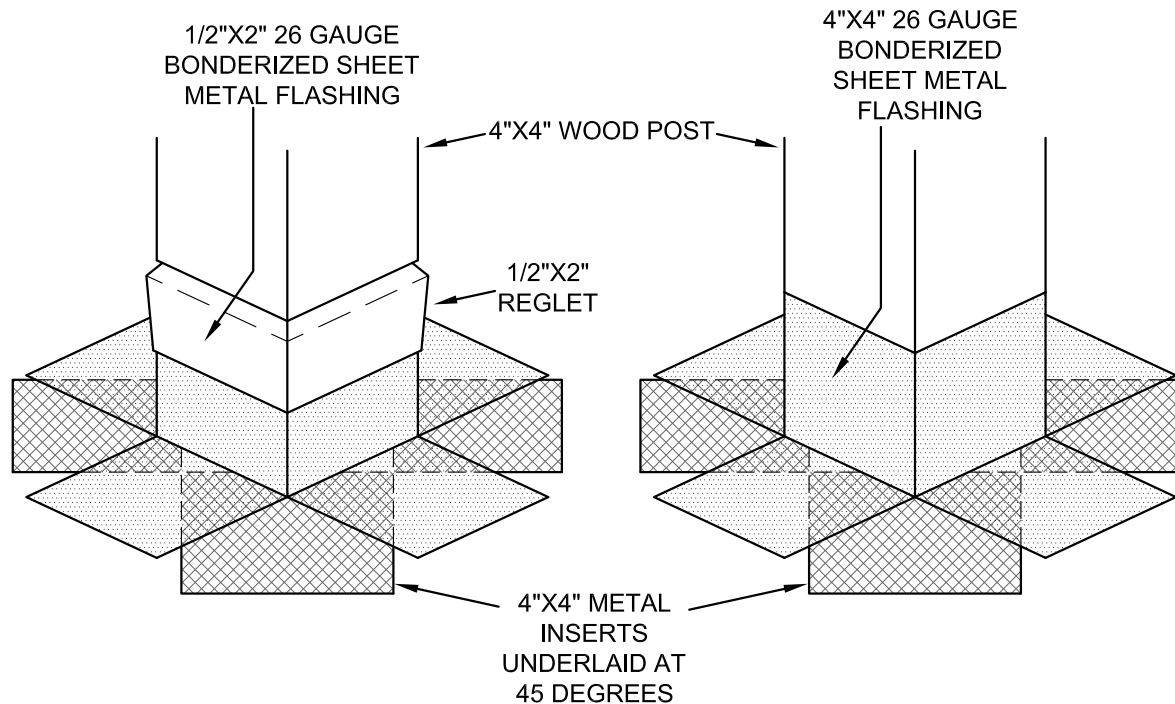
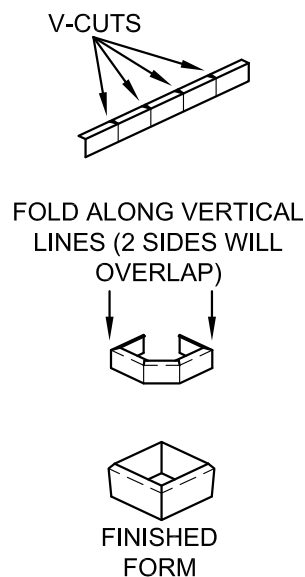
## WESTCOAT POST FLASHING & REGLET DETAIL

NOT TO SCALE

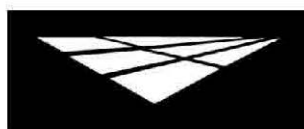
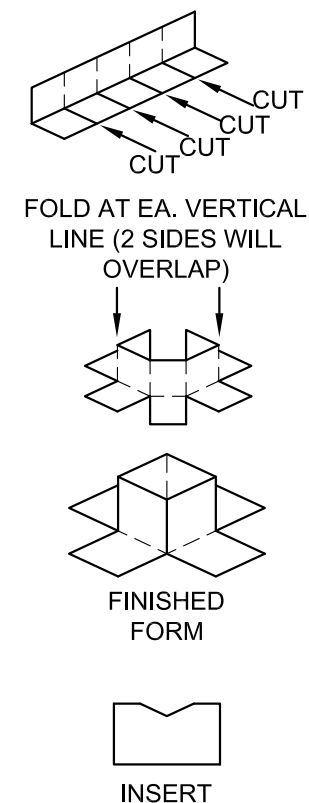
### NOTES:

- 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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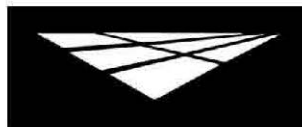
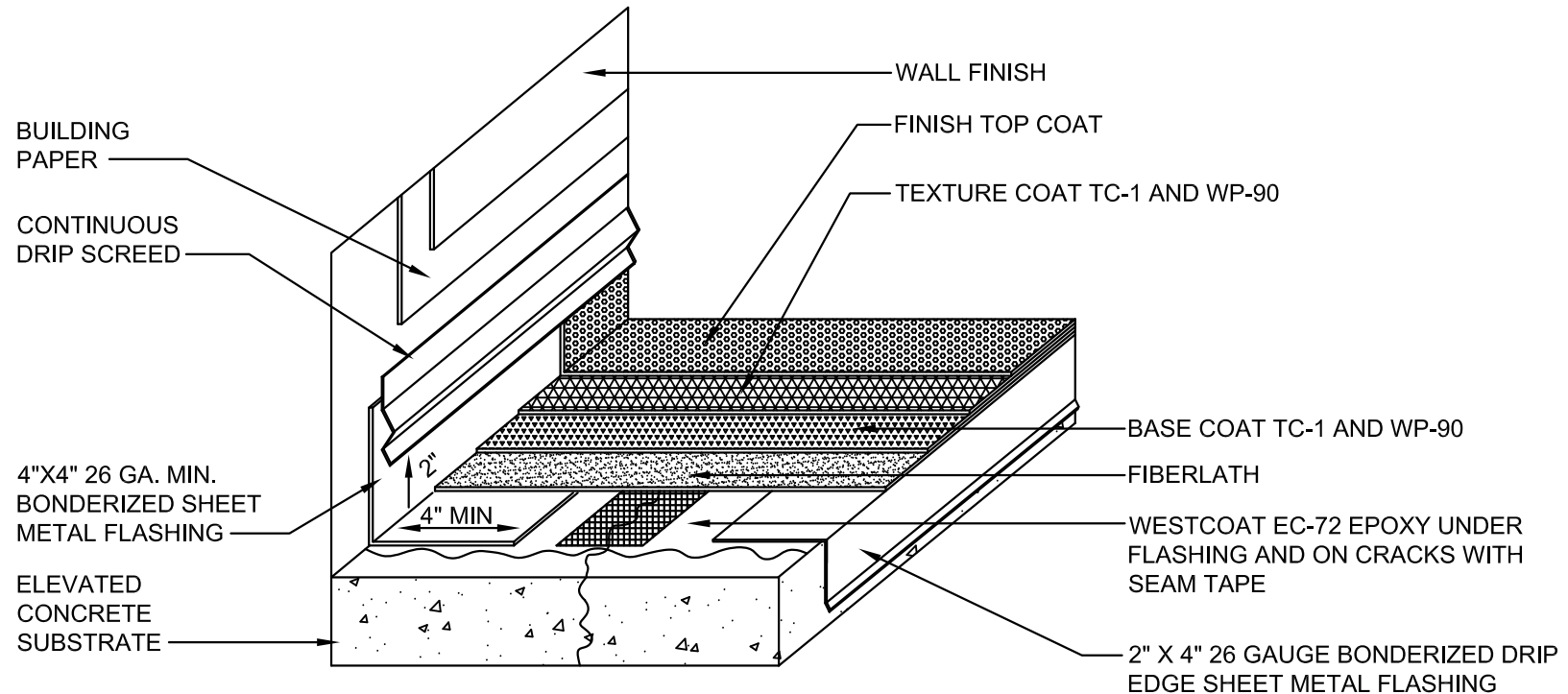
www.westcoat.com  
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## WESTCOAT MACOAT DECK EDGE & WALL-TO-DECK DETAIL (OVER CONCRETE)

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



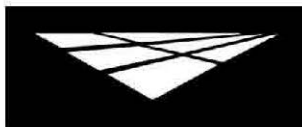
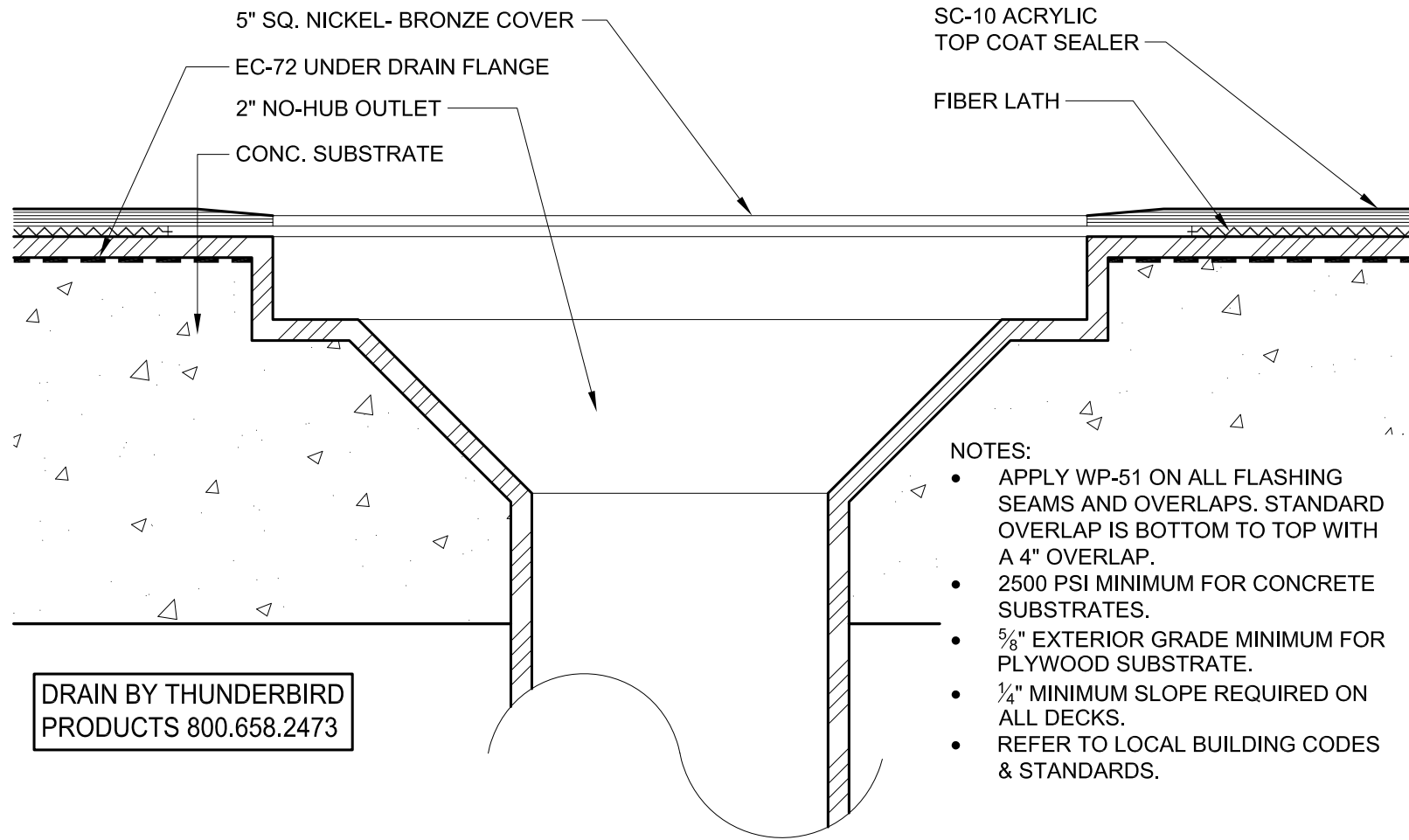
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## WESTCOAT MACOAT DRAIN FLASHING DETAIL (OVER CONCRETE)

NOT TO SCALE



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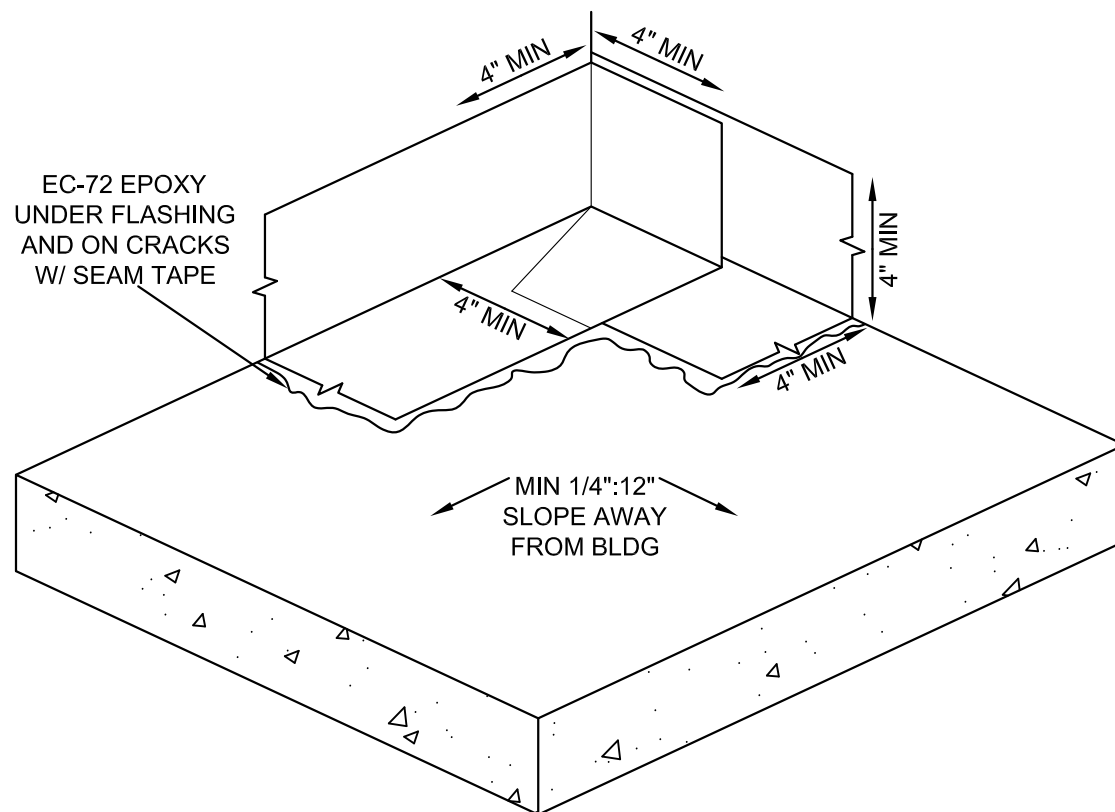
www.westcoat.com  
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## WESTCOAT MACOAT INSIDE CORNER FLASHING DETAIL (OVER CONCRETE)

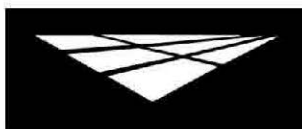
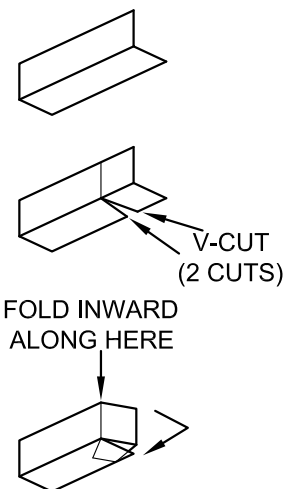
NOT TO SCALE

### 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



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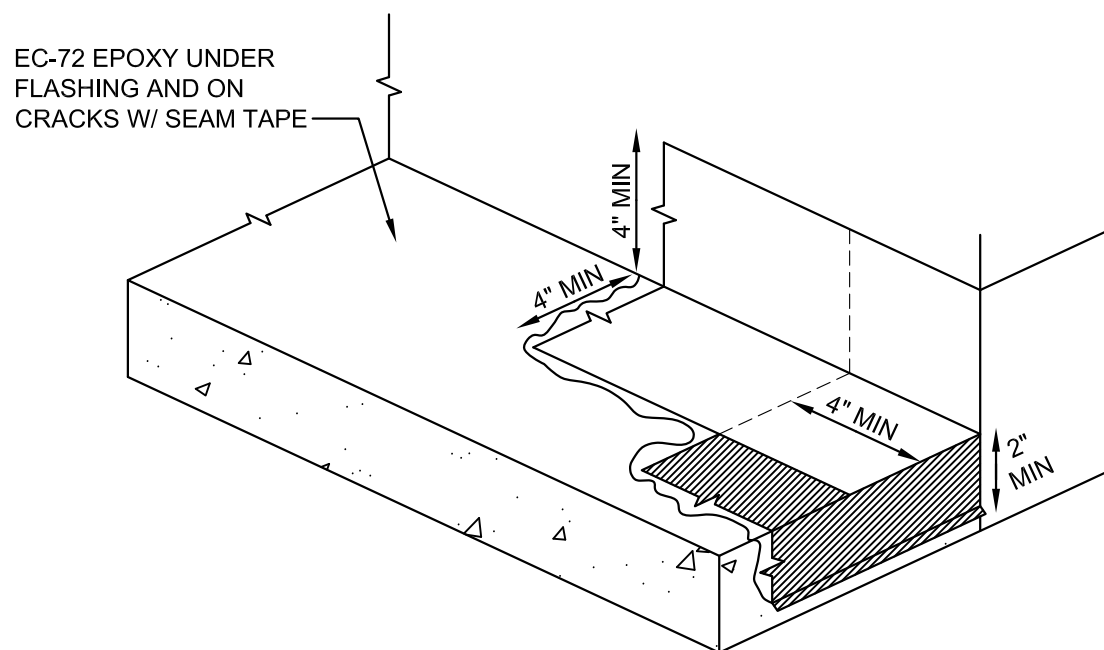
www.westcoat.com  
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## WESTCOAT MACOAT OUTSIDE CORNER FLASHING DECK TERMINATION DETAIL (OVER CONCRETE)

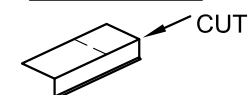
NOT TO SCALE

### NOTES:

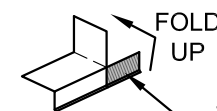
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### FIRST PIECE



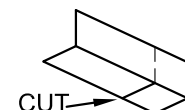
CUT



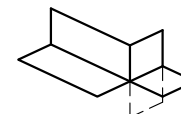
FOLD UP

TRIM OFF EXCESS

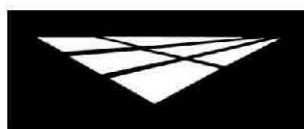
### SECOND PIECE



CUT



FOLD DOWN



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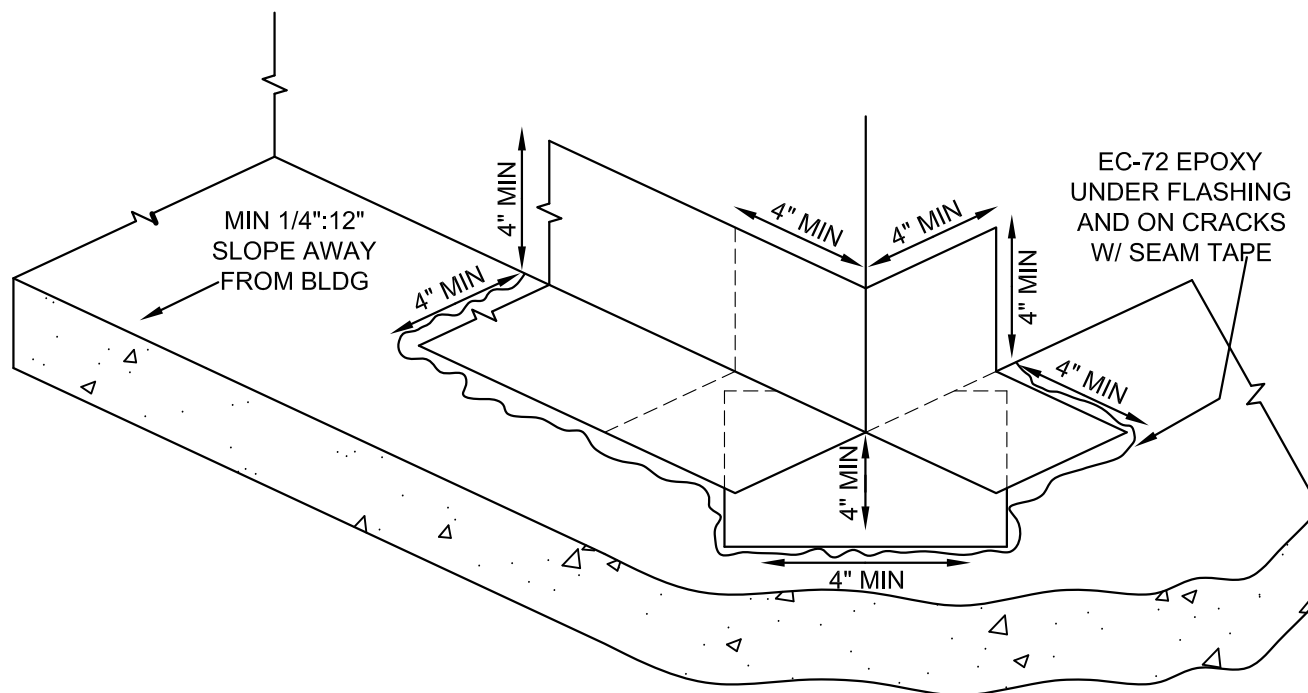
www.westcoat.com  
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## WESTCOAT MACOAT OUTSIDE CORNER FLASHING DECK WRAPAROUND DETAIL (OVER CONCRETE)

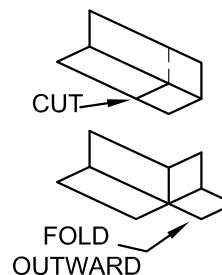
NOT TO SCALE

### NOTES:

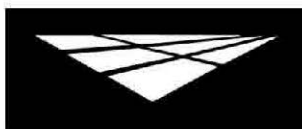
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- $\frac{5}{8}$ " EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE
- $\frac{1}{4}$ " MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



### FIRST PIECE



### SECOND PIECE



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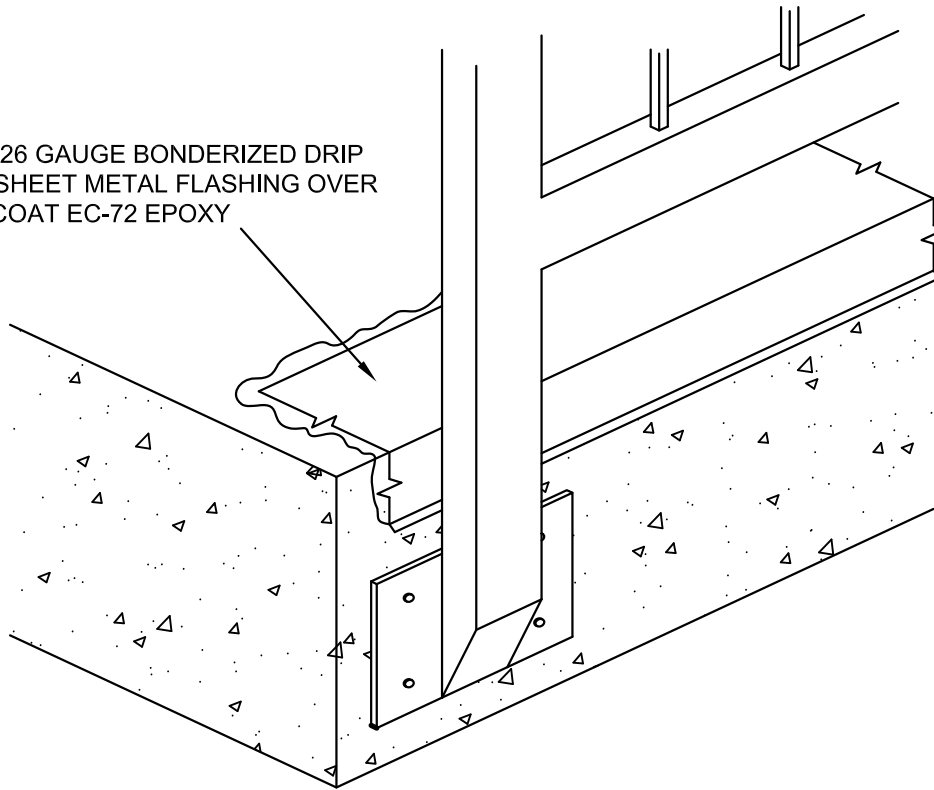
## WESTCOAT MACOAT SIDE MOUNT RAILING DETAIL (OVER CONCRETE)

NOT TO SCALE

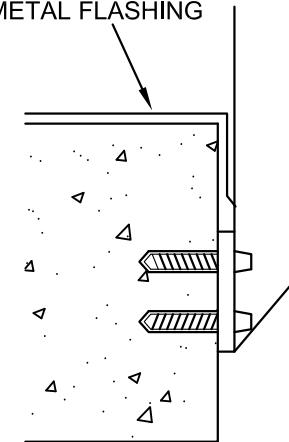
### NOTES:

- 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

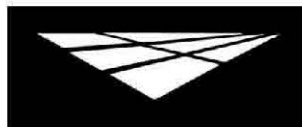
2" X 4" 26 GAUGE BONDERIZED DRIP  
EDGE SHEET METAL FLASHING OVER  
WESTCOAT EC-72 EPOXY



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



SIDE PROFILE



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

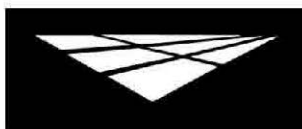
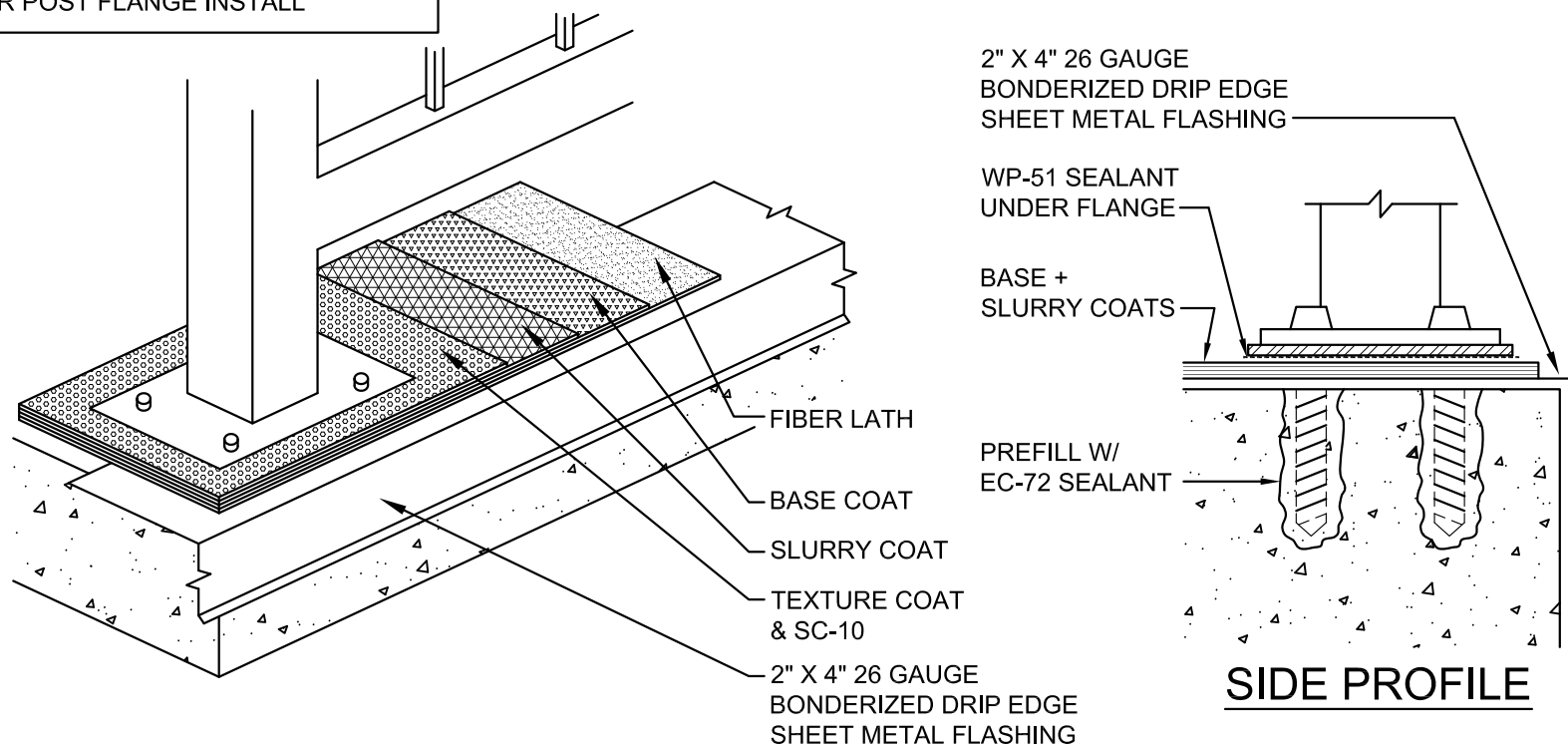
NOT TO SCALE

### 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



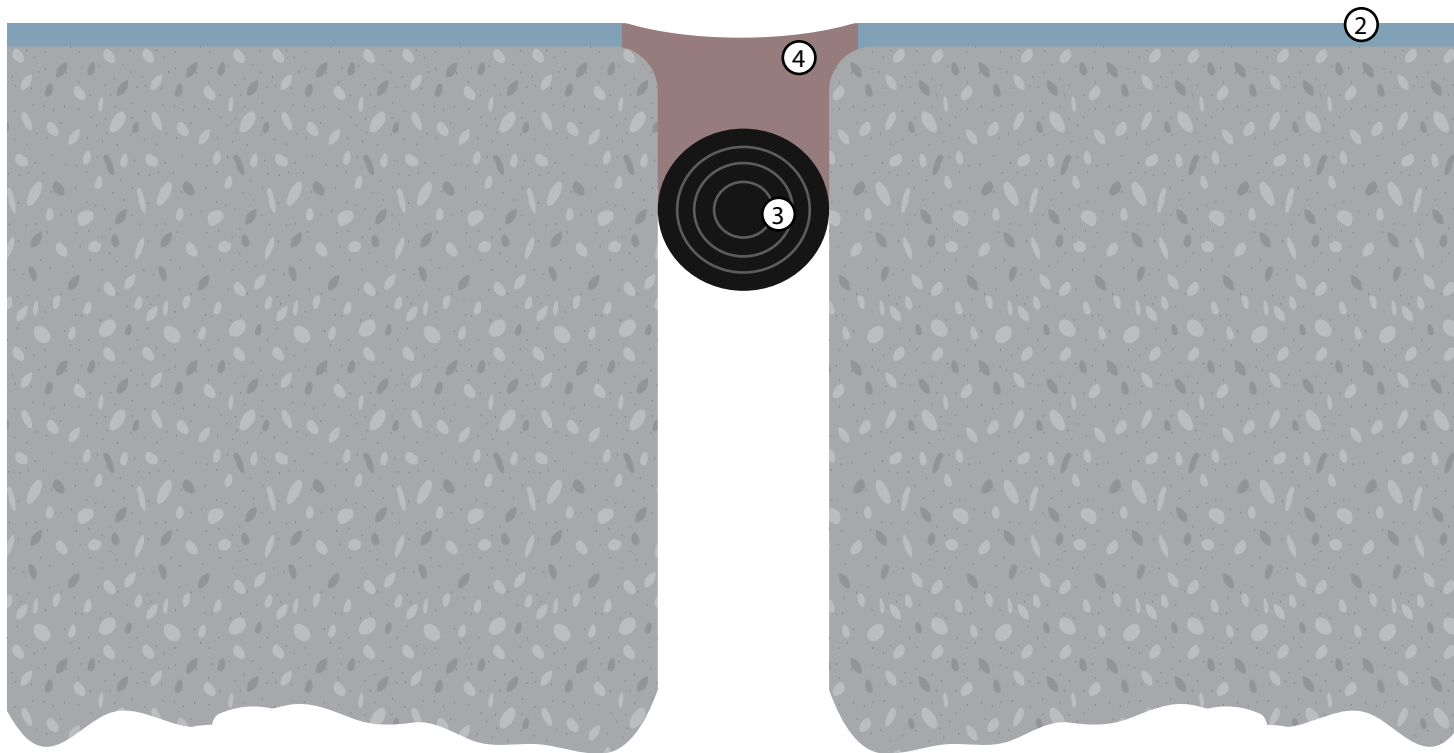
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## KEYNOTES

- 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

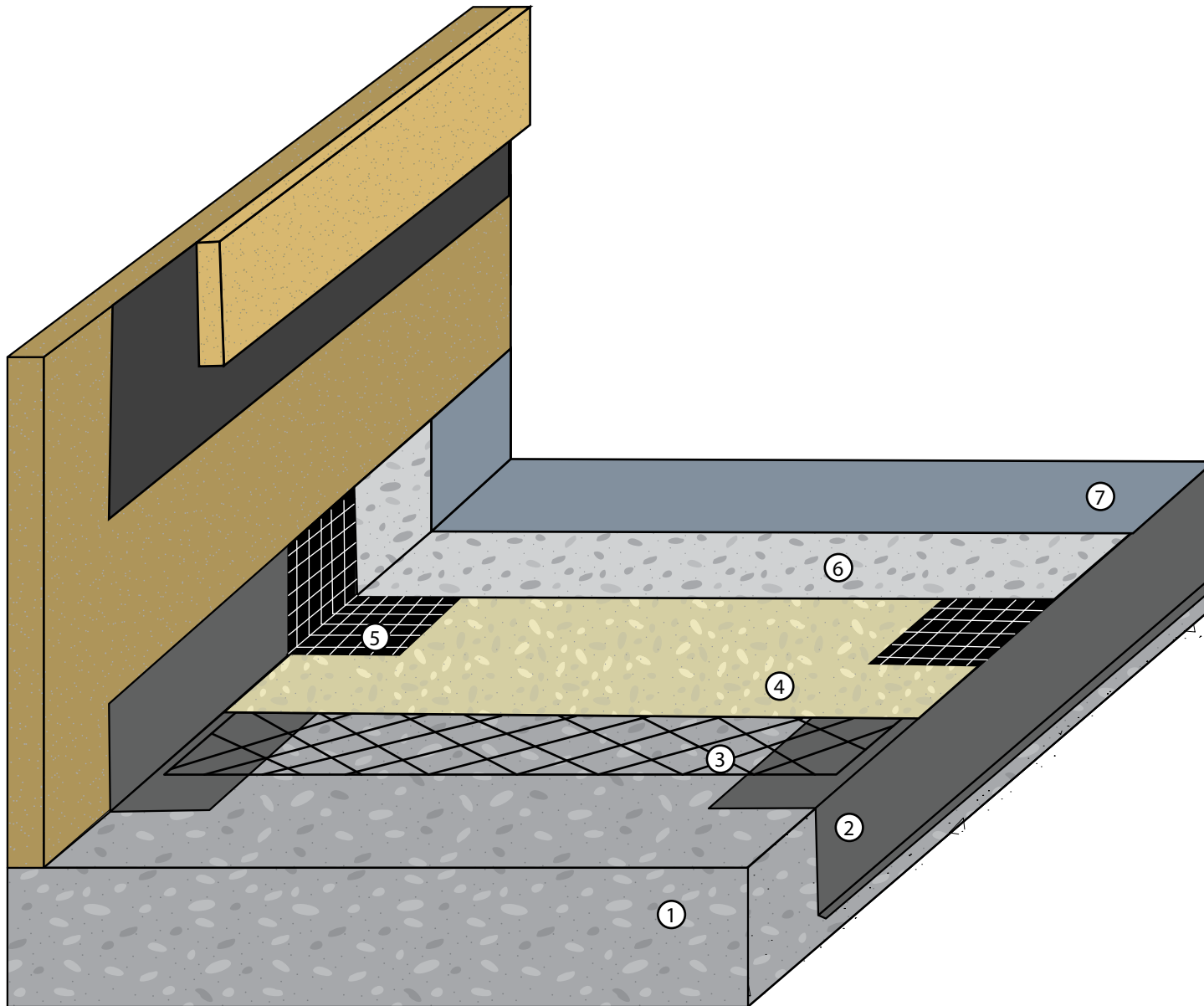
DIVISION 07 18 13  
Pedestrian Traffic Coatings

SCALE : NTS



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SPECIALTY COATING SYSTEMS

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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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