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# MACOAT™ WATERPROOFING UNDERLAYMENT

WP WATERPROOF
RELIABLE MOISTURE BARRIERS

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# MACOAT WATERPROOFING UNDERLAYMENT 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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SPECIALTY COATING SYSTEMS

# 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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SPECIALTY COATING SYSTEMS

WP WATERPROOF
RELIABLE MOISTURE BARRIERS



**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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4007 Lockridge Street, San Diego, CA 92102, USA.

# SYSTEM SPECIFICATION SHEET

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SYSTEM SPECIFICATION

WP WATERPROOF
RELIABLE MOISTURE BARRIERS

# MACoat™

**Waterproofing Underlayment**

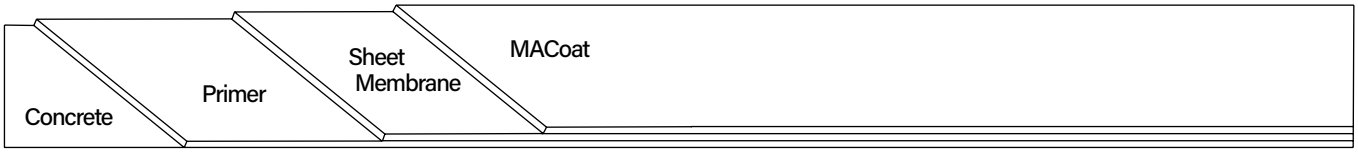
## Description

MACoat™ Waterproofing Underlayment System is a waterproof reinforced deck system installed with a series of two separate waterproof applications. The first layer is WP-41 Sheet Membrane, a 60 mil rubberized asphalt self-sealing membrane. The second layer is a highly resonated cement, designed for extra waterproofing and to protect the sheet membrane.

## Uses

The MACoat™ Waterproofing Underlayment System is used on elevated concrete decks for under tile and between slab applications. MACoat™ Waterproofing Underlayment is designed for the discriminating contractor who demands a tough and reliable system. It is regularly specified for balconies, corridors, stairs and landings.

## System Overview




## System Data

| | | |
|---|---|---|
| **Coverages** | **Primer** | **MACoat™ Application** |
| | 150-250 ft² per gallon | 300-350 ft² per batch |

| | | **Shelf Life** |
|---|---|---|
| **Components** | WP-47A Seam Tape | 1 year |
| | EC-72 Epoxy Patch Gel | 2 years |
| | WP-43 Sheet Membrane Primer | 1 year |
| | WP-42 Sheet Membrane Mastic | 1 year |
| | WP-41 60 mil Sheet Membrane | 1 year |
| | WP-90 Waterproofing Resin | 2 years |
| | TC-1 Basecoat Cement | 1 year |

## Advantages

Flexible ▪ Durable ▪ Fast Access After Installation ▪ Environmentally Safe Acrylics ▪ Waterproof

**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. Slope must be a minimum of ¼ inch per linear foot. Decks should meet local building code. Moisture vapor commonly collects in areas below a vapor barrier, such as the waterproofing membrane of the deck covering system. Venting must be added to help relieve moisture vapor transmission. Please refer to all local building codes regarding venting requirements.

**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.

**Concrete Seams and Cracks**
Cracks greater than 1/32 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. Allow EC-72 3-4 hours to cure before the application of the WP-41. This is a remedial approach to patch cracks and there is no guarantee that cracks will not reappear.

**Flashing**
Flash at the junction of the wall and the deck using 6 x 4 inch flashing. Flash the fascia with 2 x 4 inch drip edge flashing. Use a minimum of 26-gauge bonderized sheet metal. Flashing should be set in a bed of EC-72 and nailed only as needed. The vertical portion of the wall to deck flashing should be nailed at all studs, after the epoxy base has cured. Overlap all seams at least 4 inches. Caulk between overlapped flashing as well as the seam with WP-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.

**Primer Requirements**
Priming is required over properly prepared concrete. Apply the WP-43 Sheet Membrane Primer to the concrete at a rate of 150 to 250 square feet per gallon. Do not allow primer to puddle or have excessive amounts of primer, this may cause blistering. Brush or roll out primer, being sure entire surface to be waterproofed is primed. DO NOT COVER WET PRIMER. Prime only what you can cover with the membrane in 4 hours. Apply membrane when the primer is tacky but not wet. Primed areas not covered in 8 hours must be re-primed.

**Sheet Membrane**
Apply WP-41 Sheet Membrane to the entire deck. Using a seam roller, roll the deck to smooth out any bubbles.

**Mastic Application**
Apply WP-42 Sheet Membrane Mastic to all terminating edges, end laps and to any detailed areas. The mastic should be applied the same day of the application.

**MACoat™ Application**
Mix one bag TC-1 to five gallons of WP-90 (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) and trowel the entire surface smooth and as thin as possible 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.

**Flood Test**
Prior to flood testing, allow mastic 24 hours to fully cure. Perform flood test with a minimum of 1 inch and a maximum of 3 inches of water for 24 hours. Drains should be plugged and barriers placed to contain the water.

**Optional Materials**
Cement Options

**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.

**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.
- Do not allow Westcoat products to freeze.
- Moisture vapor commonly collects in areas below a vapor barrier, such as the waterproofing membrane of the deck covering system. Venting must be added to help relieve moisture vapor transmission. Please refer to all local building codes regarding venting requirements.

# CSI SPECIFICATION

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**DIVISION 7 – THERMAL AND MOISTURE PROTECTION**
**07 16 13 POLYMER MODIFIED CEMENT WATERPROOFING**
**CONCRETE SURFACE(S)**

## PART 1 GENERAL

1.01 SUMMARY

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

1.02 RELATED SECTIONS

A. Section 030000 – Concrete
B. Section 050000 – Metals
C. Section 060000 – Wood, Plastic, and Composites
D. Section 071313 - Bituminous Sheet Waterproofing
E. Section 071813 - Pedestrian Traffic Coatings
F. Section 080000 – Openings
G. Section 090000 – Finishes
H. Section 220000 – Plumbing

1.03 SUBMITTALS

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

1.04 QUALITY ASSURANCE

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

1. Drawings and specifications affecting work of this section.
2. Protection of adjacent surfaces.
3. Surface preparation and substrate conditions.
4. Application.
5. Field quality control.
6. Protection of coating system.
7. Repair of coating system.
8. Coordination with other work.

1.05 DELIVERY, STORAGE & HANDLING

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

1.06 PROJECT SITE CONDITIONS

A. Maintain environmental conditions (temperature 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 Barrior 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 contaminates. Protect work areas from moisture and excessive airborne contaminates 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.

1.07 WARRANTY

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

**PART 2 PRODUCTS**

2.01 MANUFACTURERS

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

2.02 MATERIALS

A. As basis of design Westcoat MACoat Waterproofing Underlayment System (no substitutions will be accepted): Waterproof reinforced deck system installed with a series of two separate waterproof applications. The first layer is WP-41 Sheet Membrane, a 60 mil rubberized asphalt self-sealing membrane. The second layer is a highly resinated cement designed for extra waterproofing and to protect the sheet membrane.

2.03 COMPONENTS

A. MACoat Waterproofing Underlayment System: Waterproof walking deck system for use on elevated concrete decks for waterproofing underlayment and between slab applications.
   1. Primer: Apply WP-43-H Sheet Membrane Primer to concrete at 150-200 square feet per gallon.
   2. Sheet Membrane: Apply self-adhesive WP-41 Sheet Membrane to entire concrete deck, overlapping edges 2 inches and end laps 6 inches.
   3. Mastic: Apply WP-42 Sheet Membrane Mastic to all terminating edges, end lap and to any detailed areas.
   4. MACoat Application: Combine one 50 pound bag of TC-1 Basecoat Cement to 5 gallons of WP-90 Waterproofing Resin. Apply by trowel at 300-350 square feet per batch.

2.04 ACCESSORIES

A. Supplemental Materials:
   1. Flashing shall be minimum 26 gauge bonderized sheet metal. 6 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. Westcoat WP Wrap can be used to provide additional waterproofing with reinforcement, along the perimeter of decks, over flashing and other challenging areas.
   5. Patching materials shall be EC-72 Epoxy Patch Gel.
   6. Concrete repairs can be made with TC-23 Mortar Mix as needed.

**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 contaminates 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. 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.
D. Allow 24 hours for mastic to fully cure and conduct flood test. Perform flood test with a minimum of 1 inch and a maximum of 3 inches of water for 24 hours. Drains shall be plugged and barriers placed to contain water.

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.*

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# SAMPLE WARRANTY

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# WARRANTY

## WESTCOAT MACOAT UNDERLAYMENT
## MATERIAL WARRANTY

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

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

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

This warranty does not apply to and Westcoat has no responsibility or liability for: (1) the condition or movement of the substrate; (2) parts, products, or accessories not sold by Westcoat such as sheet metal flashings, scuppers and drains; (3) the application of its materials over an oriented strand board ("OSB") substrate; (4) abuse or misuse of the materials: or (5) 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.

A successful flood test is required for this warranty to be valid. Inspections are required one year after installation and every two years thereafter by a Westcoat QCA or an authorized inspector. The record of the inspection must be kept in writing and entitlement to the benefits of this warranty require the purchaser to show proof of purchase of the materials and the record of inspection(s).

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

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



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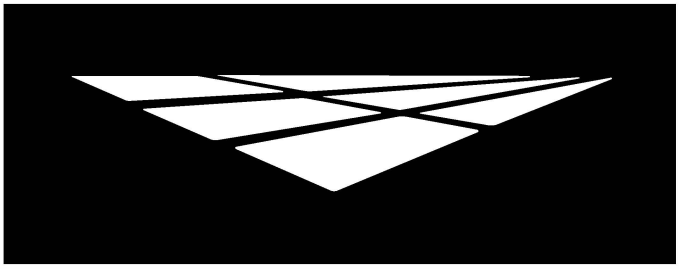

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# GENERAL MAINTENANCE

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# EXTERIOR COATINGS

Westcoat exterior coating systems (including such systems 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 rinsed 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.

# 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 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 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.

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# ARCHITECTURAL DETAILS

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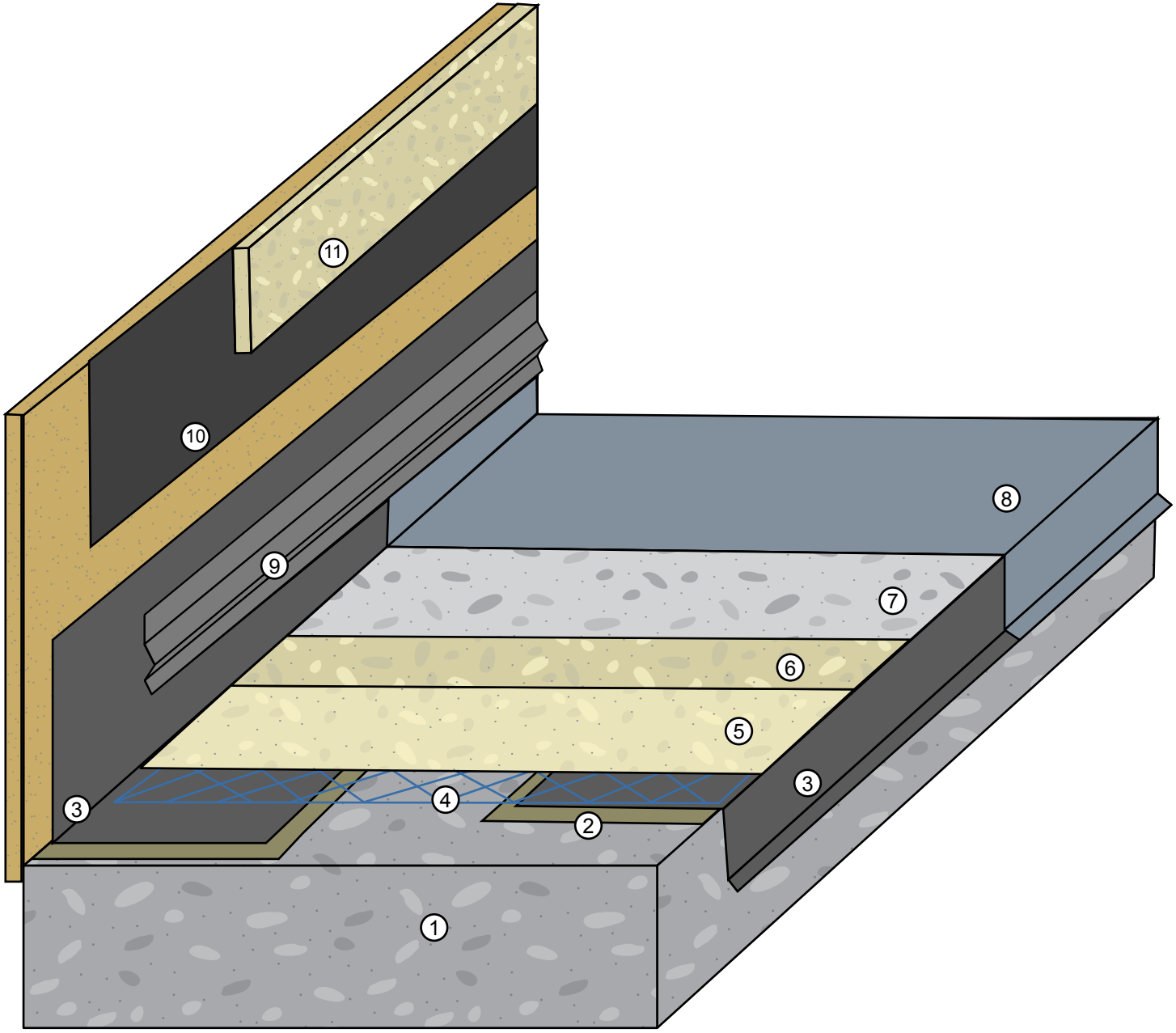


REV. 1/21/26 TC

# KEYNOTES

1. Concrete Substrate (by others)
2. EC-72 Epoxy Patch Gel
3. 26 Gauge Bonderized Sheet Metal
4. WP-47H Fiberlath Heavy Duty
5. Base Coat
6. Slurry Coat
7. Optional Texture Coat
8. SC-10 Topcoat
9. Continuous drip screed (by others)
10. Building Paper (by others)
11. Wall Finish (by others)

## IAMPO ER-587

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.



# MACOAT SYSTEM - OVERVIEW

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

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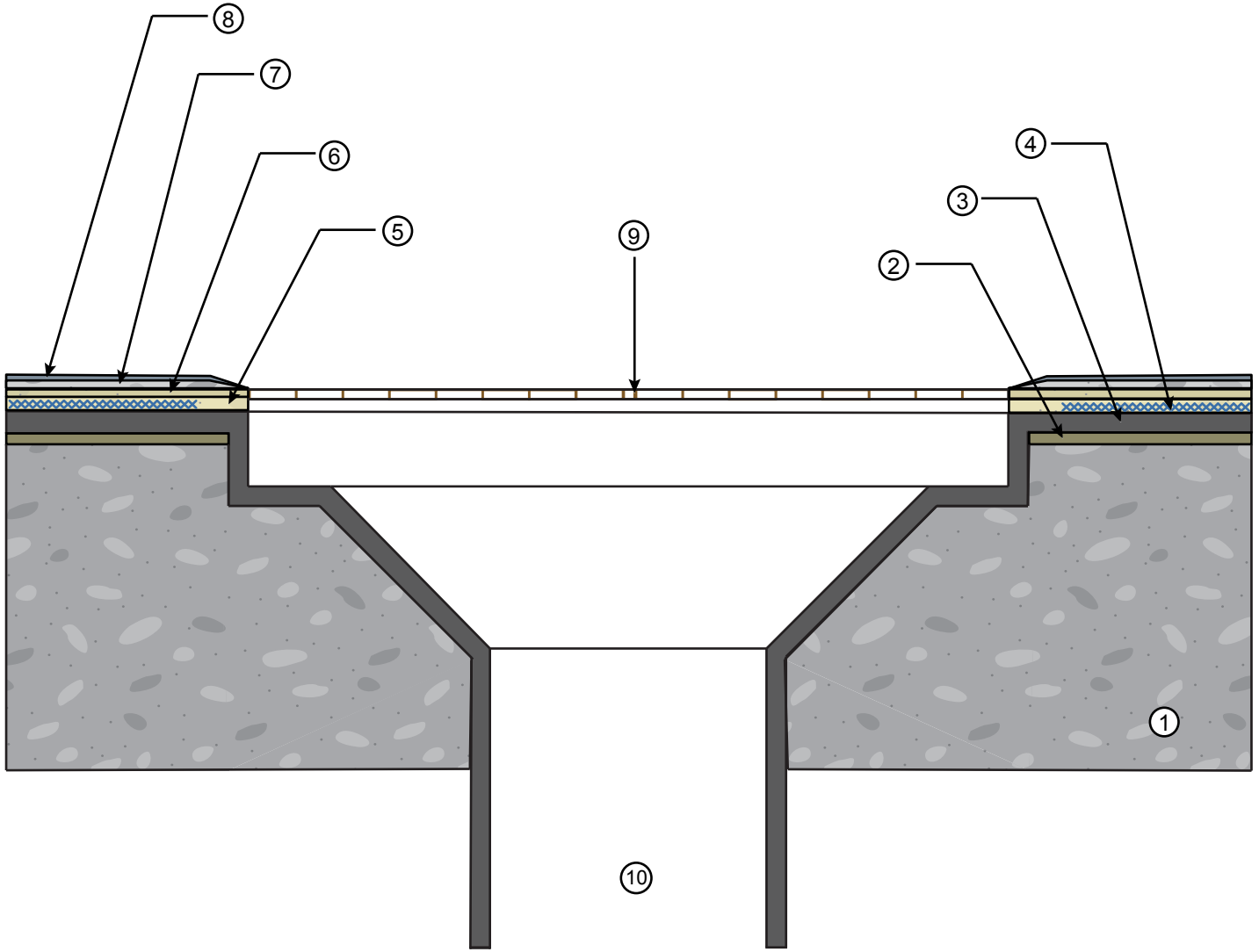



# KEYNOTES

1. Concrete Substrate (by others)
2. EC-72 Epoxy Patch Gel
3. Drain Flange (By Others)
4. WP-47H Fiberlath Heavy Duty
5. Base Coat
6. Slurry Coat
7. Optional Texture Coat
8. SC-10 Topcoat
9. Bronze Grate (By Others)
10. 2 or 3″ outlet (By Others)

## IAMPO ER-587

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.

Drain by Thunderbird Products
(800) 658-2473



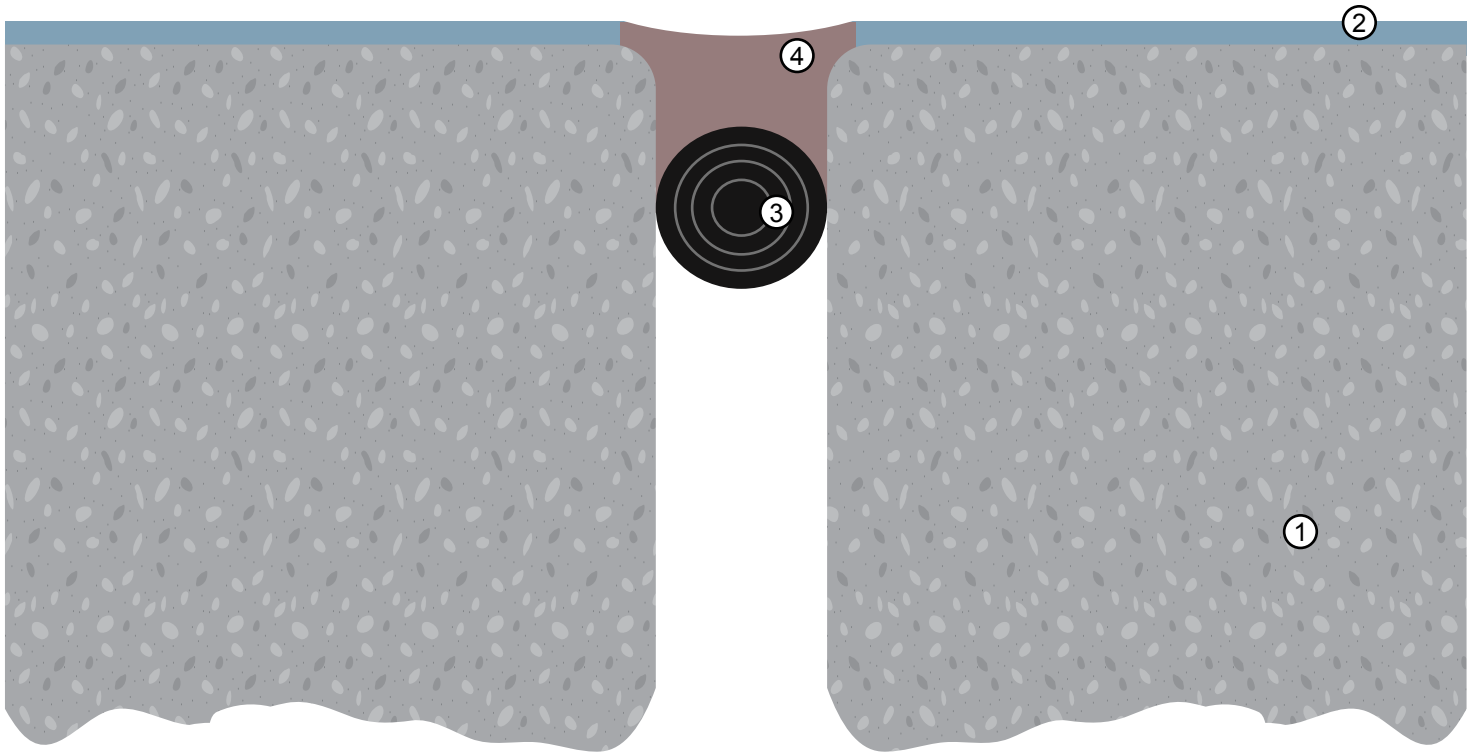
REV. 5/12/25 TC

# MACOAT SYSTEM - DRAIN FLASHING

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com




# KEYNOTES

1. Concrete Substrate
2. MACoat System
3. Backer Rod (by others)
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.



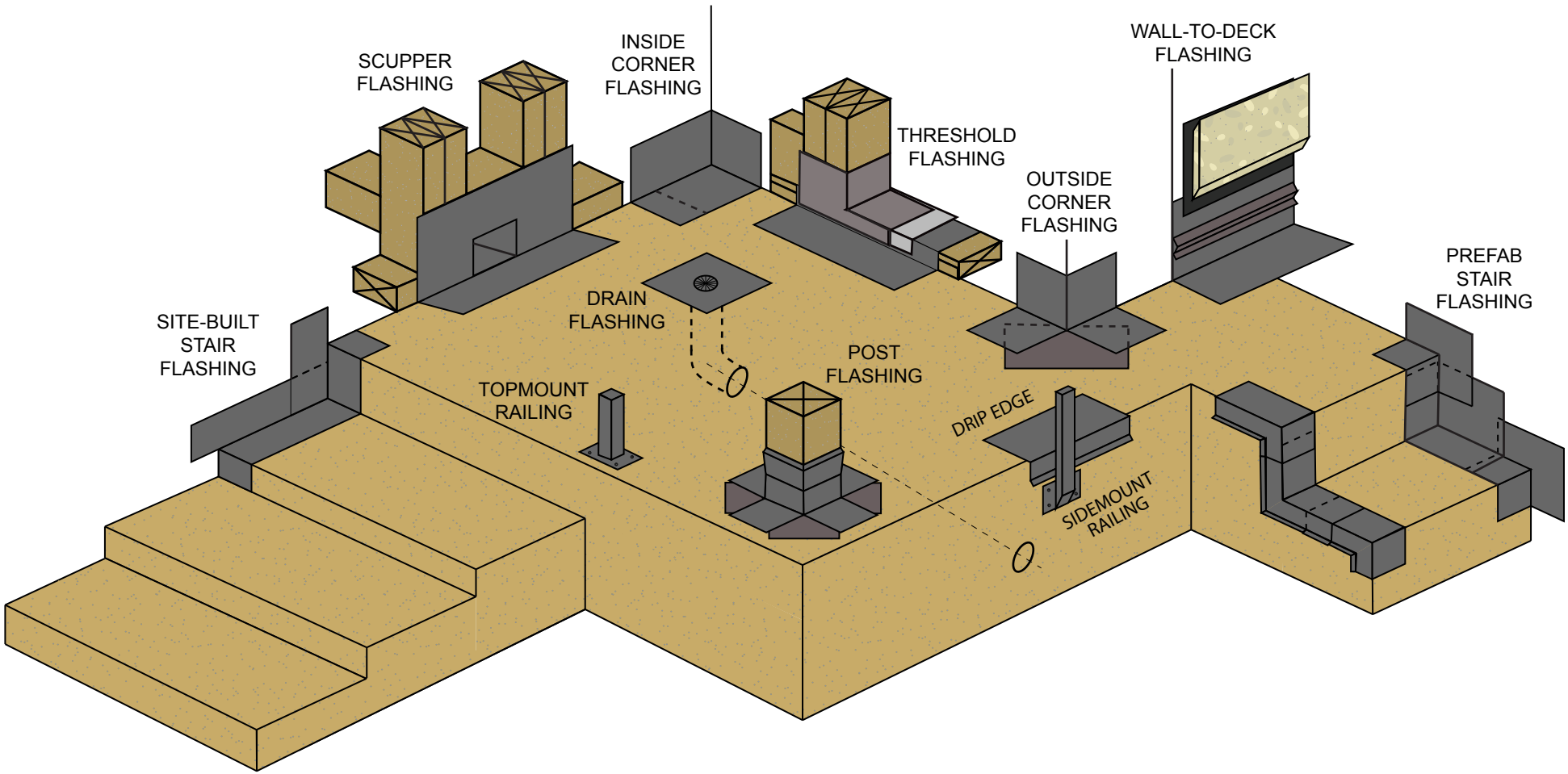
REV. 5/15/25 TC

# MACOAT SYSTEM - EXPANSION JOINT DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com




NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4″ overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



REV. 5/5/25 TC

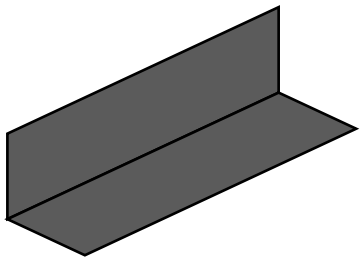
# OVERVIEW OF FLASHING DETAILS

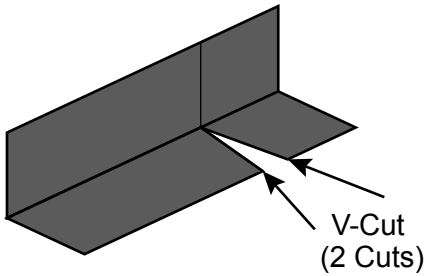
DIVISION 07 18 13
Pedestrian Traffic Coatings

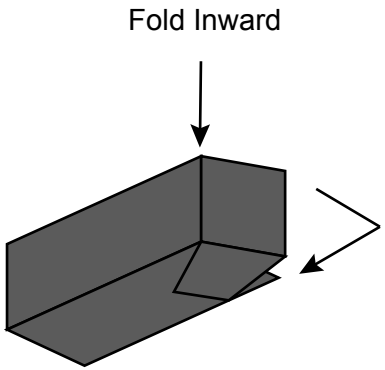
SCALE : NTS

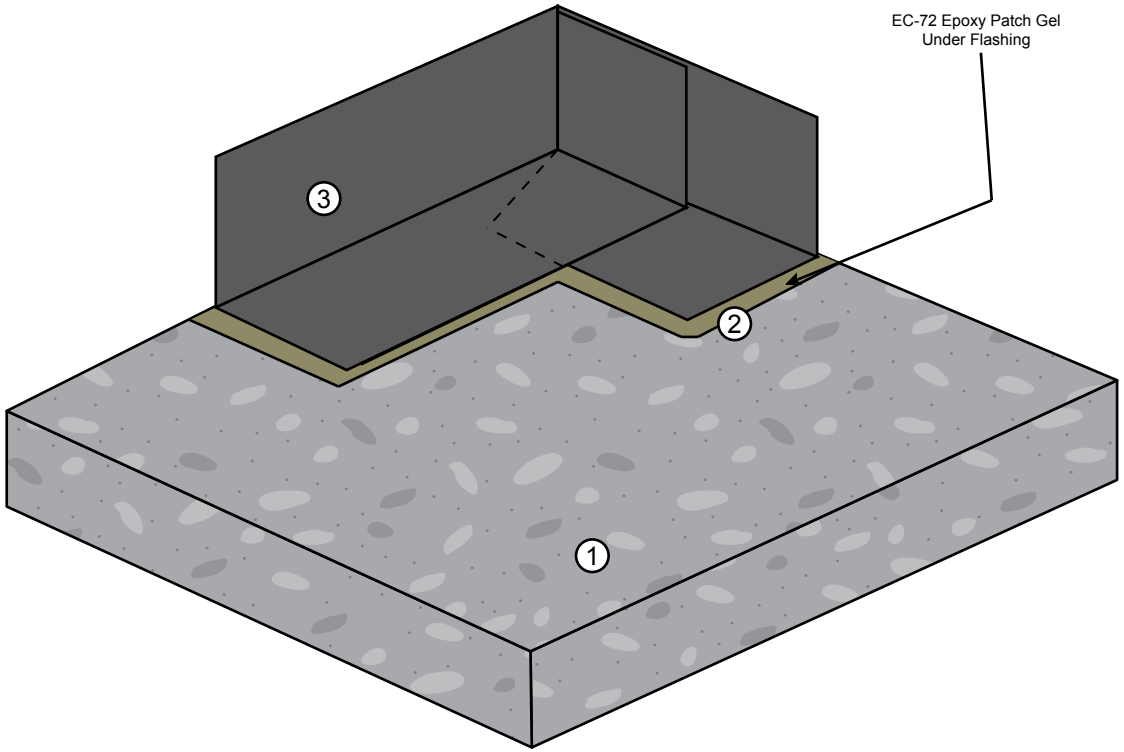
westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com

## Site Built Piece






REV. 5/12/25 TC

# KEYNOTES

1. Concrete Substrate
2. EC-72 Epoxy Patch Gel
3. Bonderized Sheet Metal

## IAPMO ER-587

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Flashing should be a minimum 4″x4″
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.

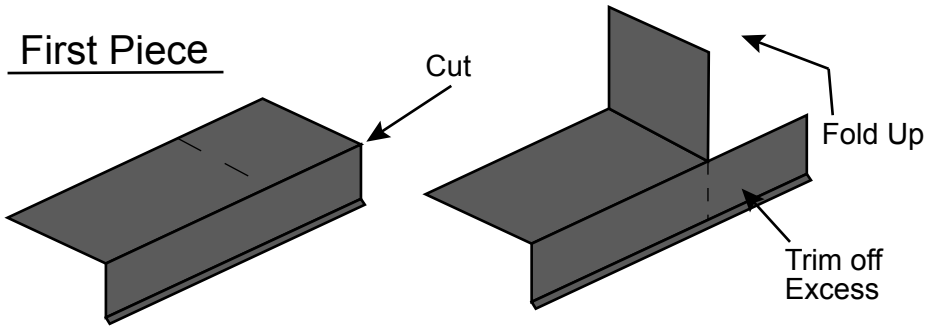


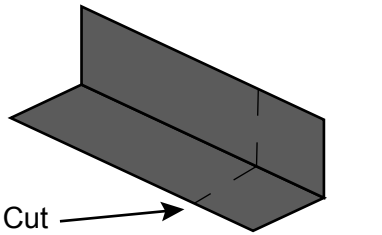
# MACOAT SYSTEM - INSIDE CORNER FLASHING

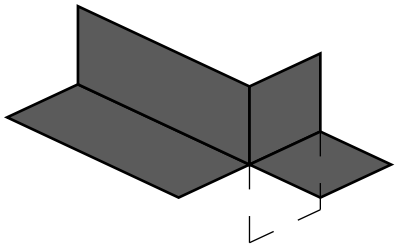
DIVISION 07 18 13
Pedestrian Traffic Coatings

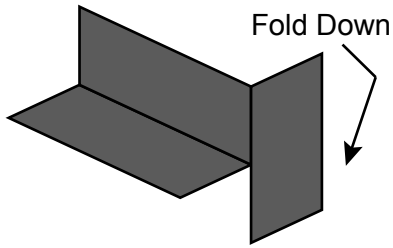
SCALE : NTS

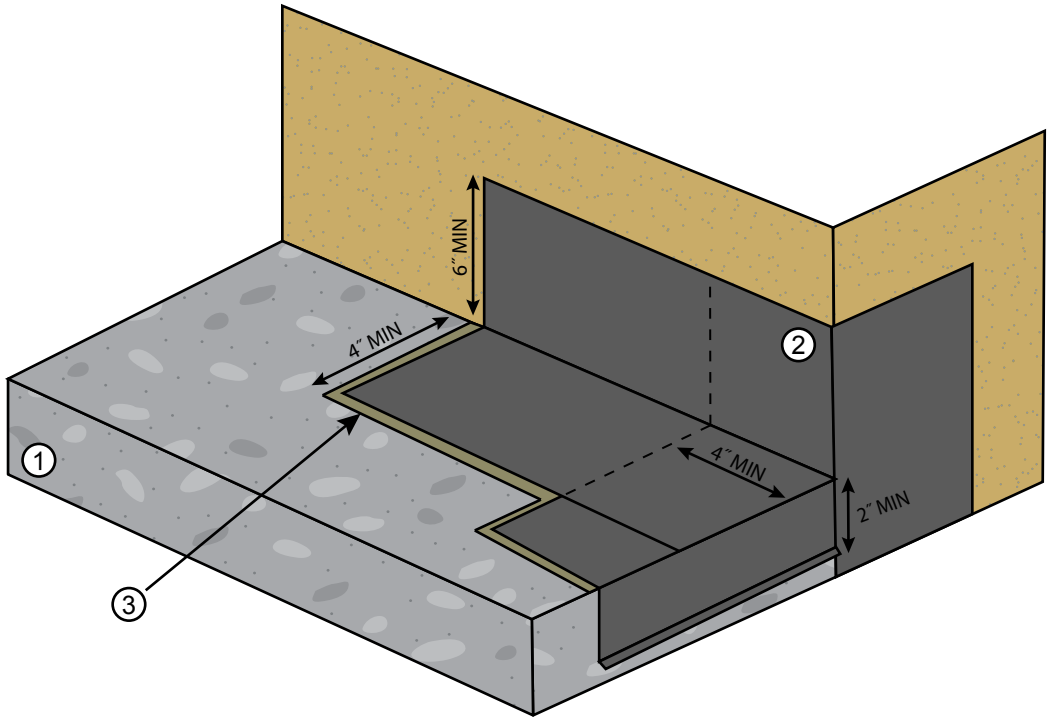
westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com






REV. 5/12/25 TC

# KEYNOTES

1. Concrete Substrate (by others)
2. EC-72 Epoxy Patch Gel
3. Bonderized Sheet Metal

## IAPMO ER-587

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.



MACOAT SYSTEM - OUTSIDE CORNER FLASHING DECK TERMINATION DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

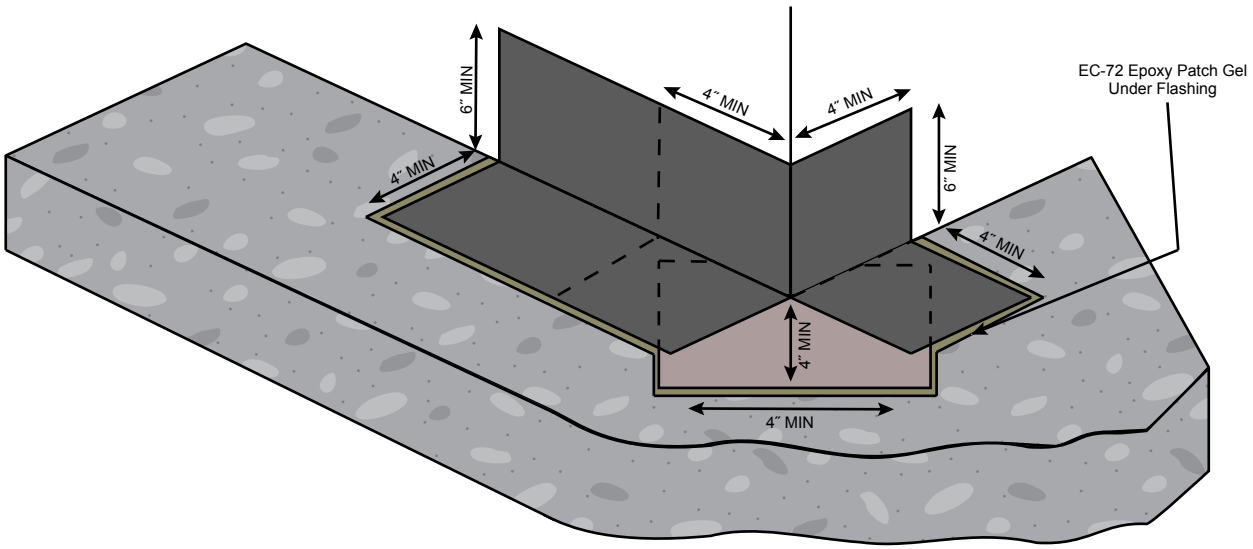
SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com

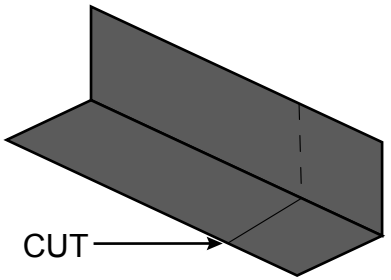
Notes:

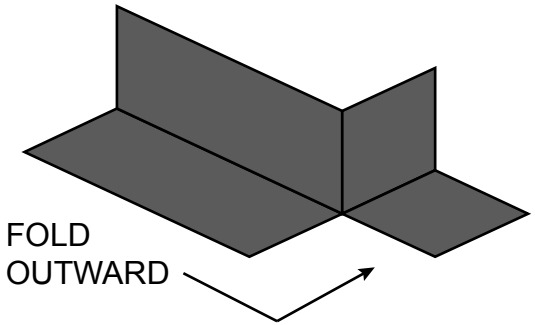
- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Flashing should be a minimum 4″x4″ (Drip Edge) & 4″x6″ (Wall-to-deck)
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.



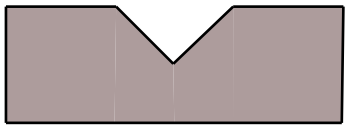



FIRST PIECE




SECOND PIECE



# MACOAT SYSTEM - OUTSIDE CORNER FLASHING WRAPAROUND

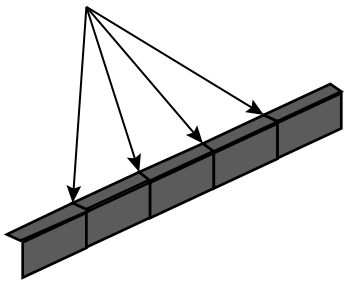
DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

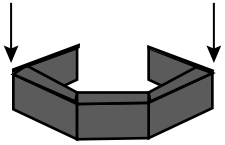
westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com

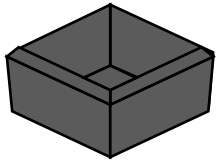
## SITE BUILT REGLET

V-CUTS



FOLD ALONG VERTICAL LINES (2 SIDES WILL OVERLAP)





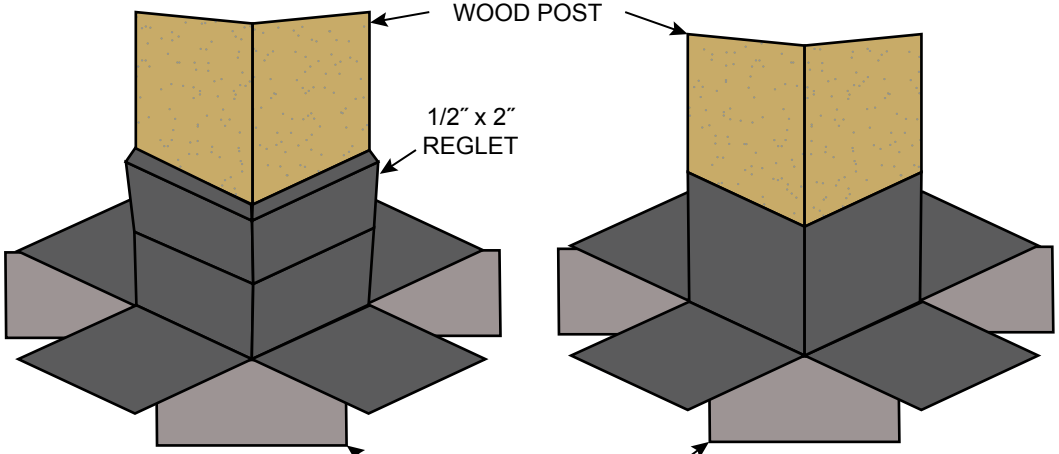
FINISHED FORM

1/2″ x 2″ 26 GAUGE BONDERIZED SHEET METAL FLASHING

4″ x 4″ WOOD POST

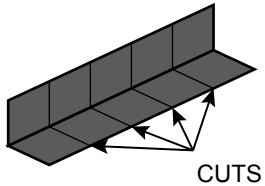
4″ x 6″ 26 GAUGE BONDERIZED SHEET METAL FLASHING

1/2″ x 2″ REGLET



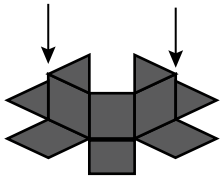
4″ x 4″ METAL INSERTS UNDERLAID AT 45°

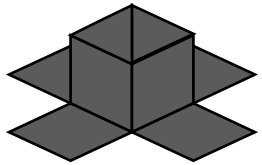
## SITE BUILT FLASHING



CUTS

FOLD AT EA. VERTICAL LINE (2 SIDES WILL OVERLAP)





FINISHED FORM

INSERT

NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4″ overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



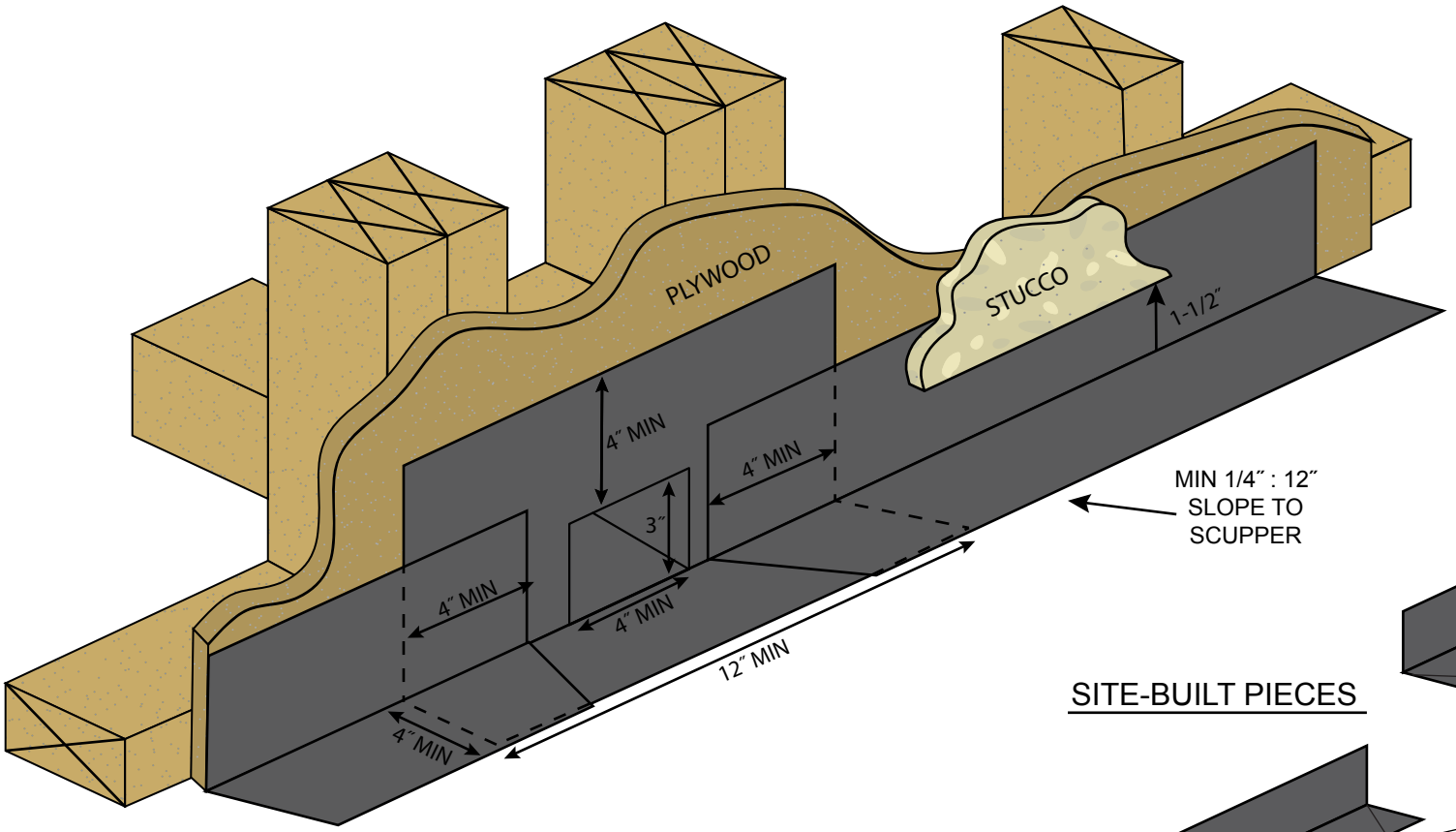
REV. 5/5/25 TC

# POST FLASHING & REGLET DETAIL

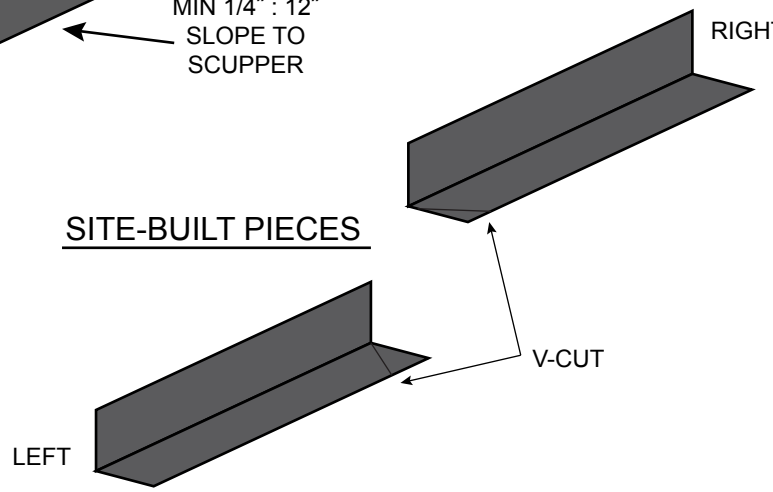
DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

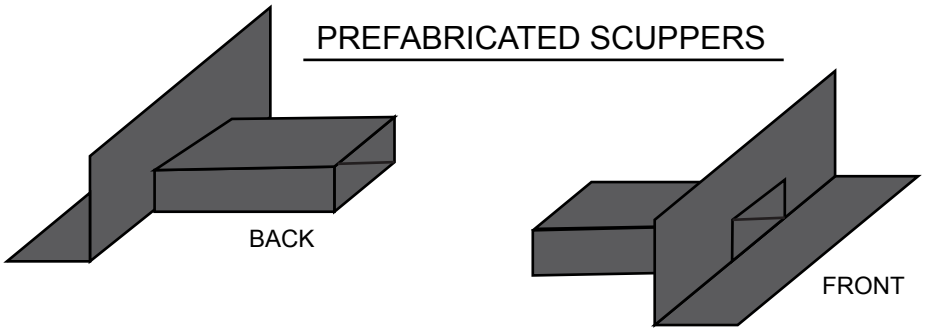
westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com




## SITE-BUILT PIECES




## PREFABRICATED SCUPPERS




NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4″ overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



REV. 5/5/25 TC

# SCUPPER FLASHING DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
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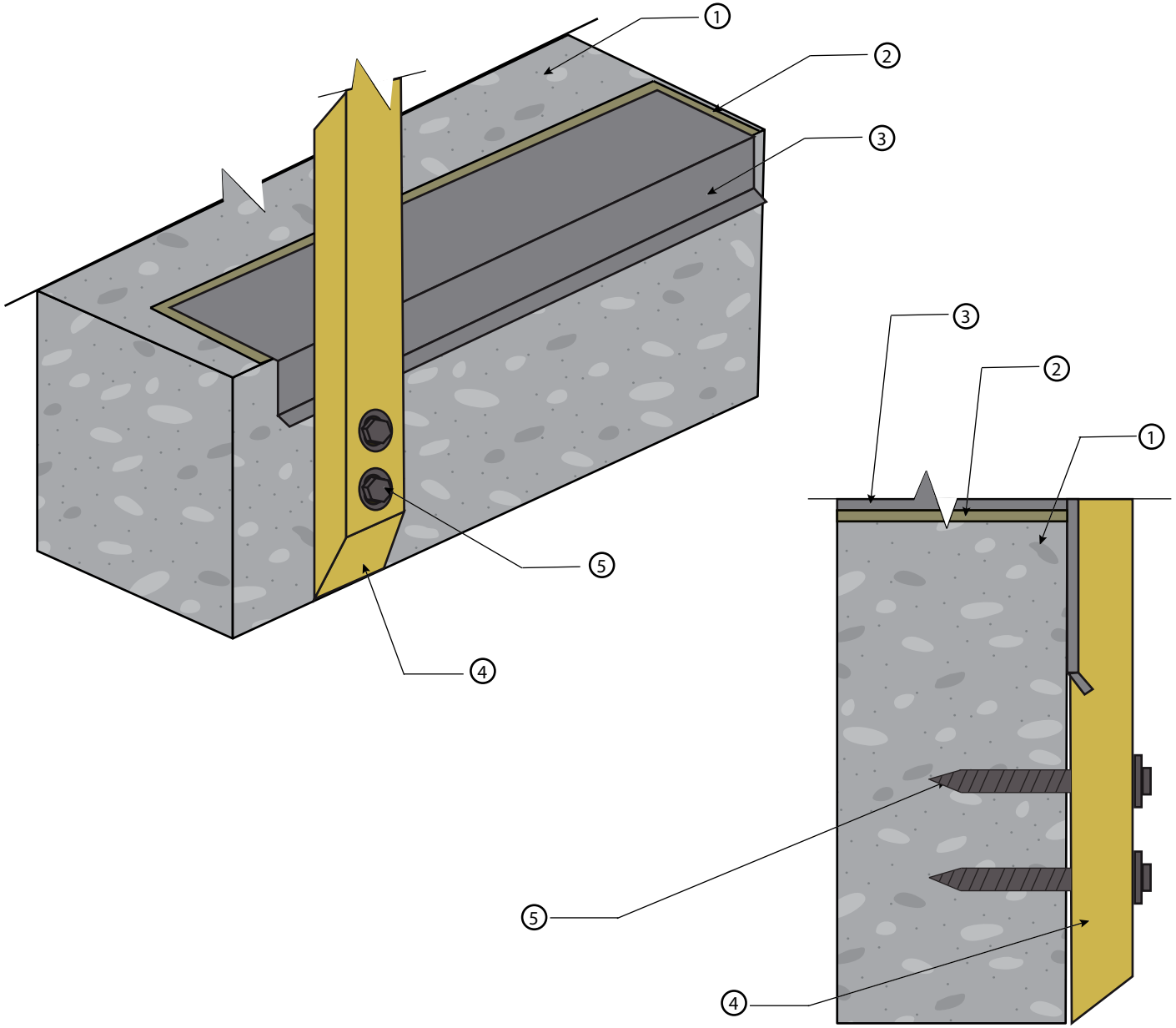
800.250.4519 • westcoat.com




# KEYNOTES

1. Concrete
2. EC-72 Epoxy Patch Gel
3. Drip Edge Flashing
4. Side Mount Railing (By Other)
5. Hardware (By Other)

IAPMO ER - 587

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.

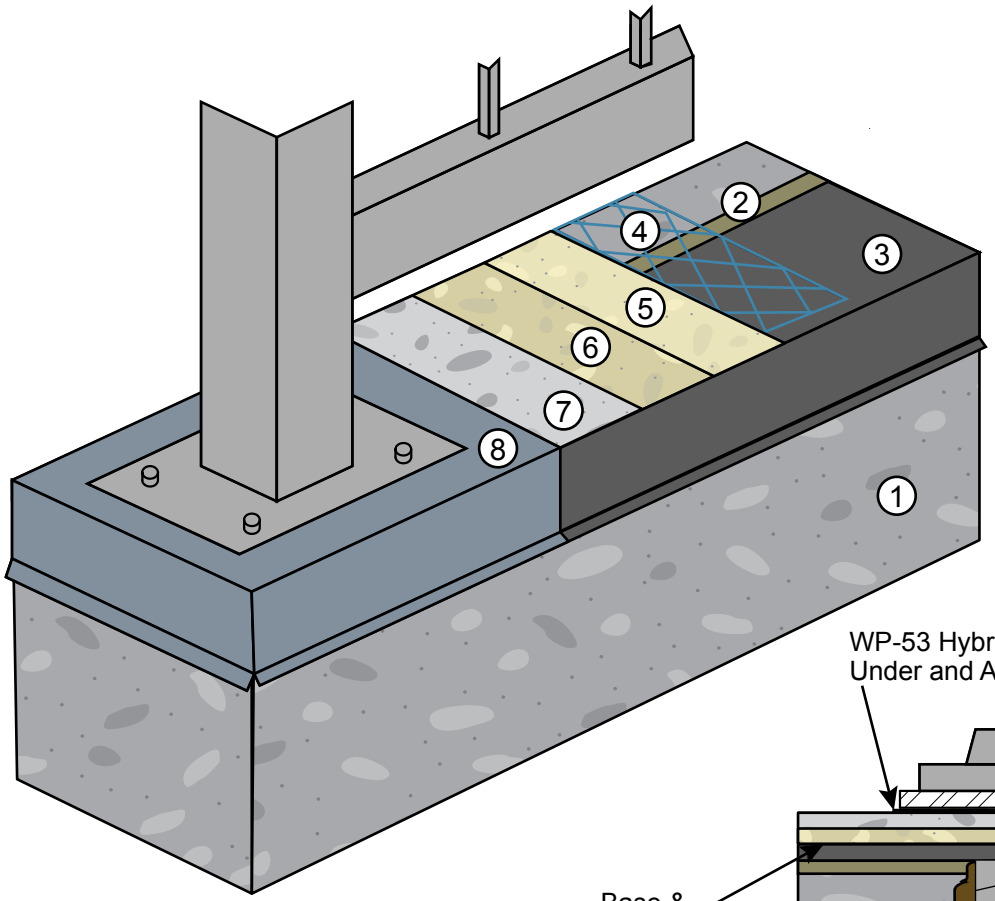


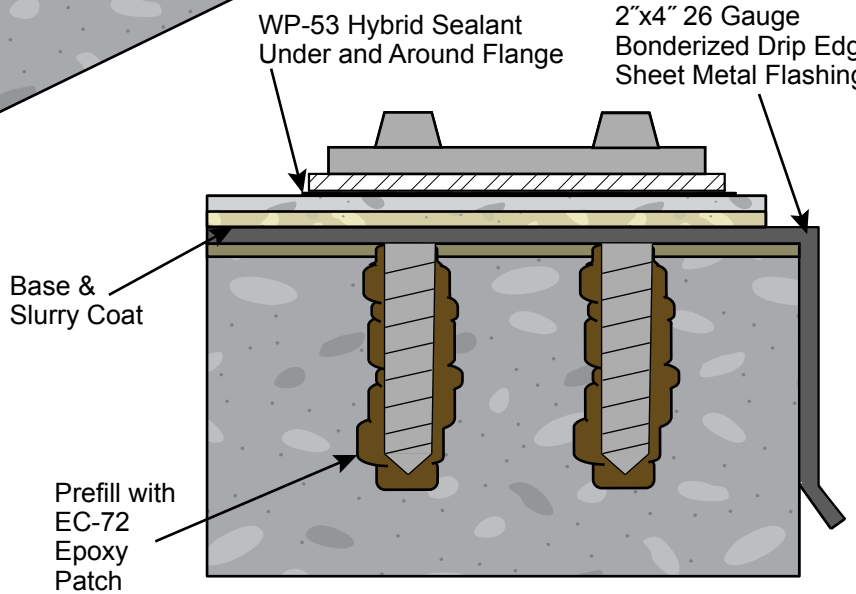
# MACOAT SYSTEM - SIDE MOUNT RAILING DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com




SIDE PROFILE

REV. 5/9/25 TC

# KEYNOTES

1. Concrete Substrate
2. EC-72 Epoxy Patch Gel
3. Bonderized Metal Flashing
4. WP-47 Fiberlath
5. Base Coat
6. Slurry Coat
7. Optional Texture Coat
8. Topcoat

IAMPO ER-587

POST TO BE INSTALLED ON TOP OF SLURRY COAT.

TEXTURE COAT SHOULD BE APPLIED AFTER POST FLANGE INSTALL

- Concrete must be a min 2″ thick & 2,500 PSI.
- Concrete should be prepared to a profile equal to CSP 3.
- Flashing should be a minimum 4″x4″
- Standard overlap is bottom to top with a 4″ overlap.
- Apply WP-53 on all flashing seams and overlaps.
- Minimum 1/4″ slope required on all decks
- Refer to local building codes and standards.
- Refer to all related Product and System Specifications for additional information.

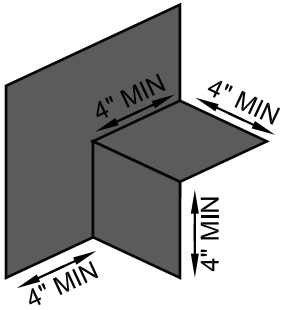


# MACOAT SYSTEM - TOP MOUNT RAILING DETAIL

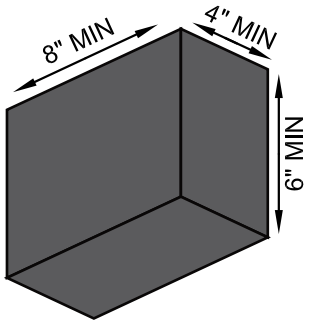
DIVISION 07 18 13
Pedestrian Traffic Coatings

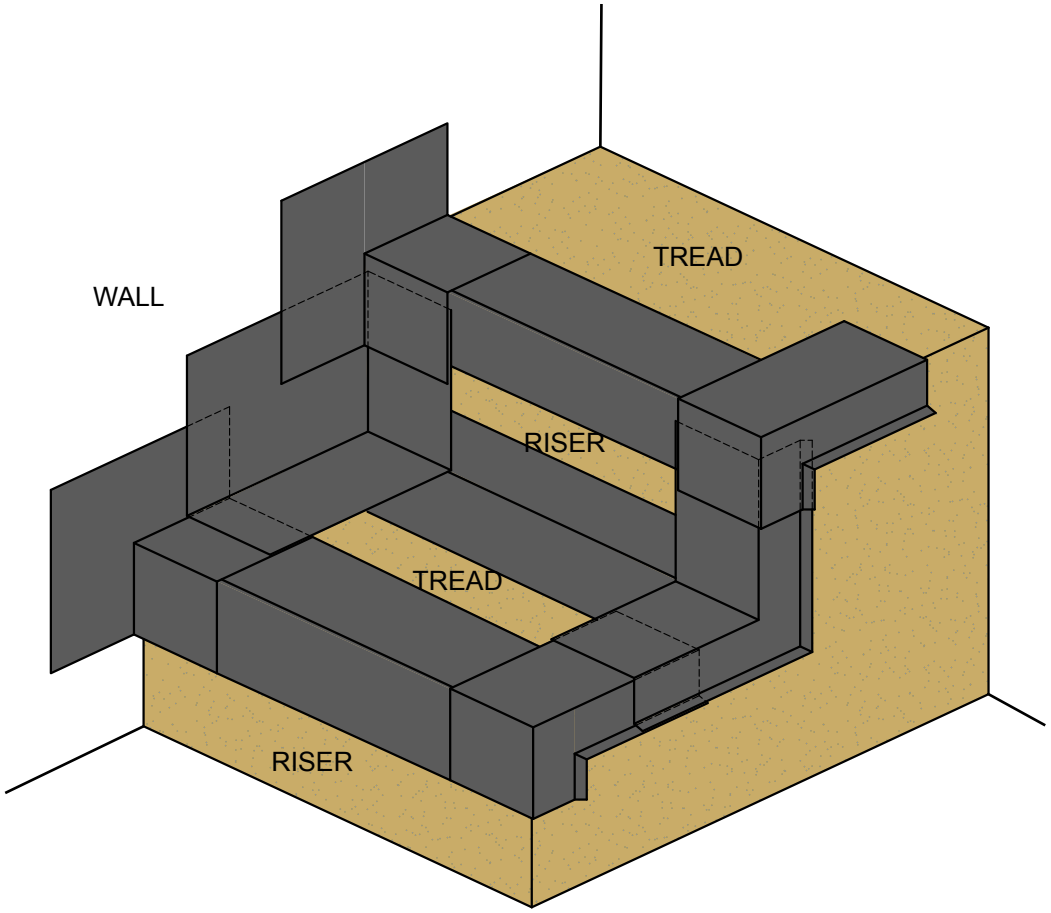
SCALE : NTS

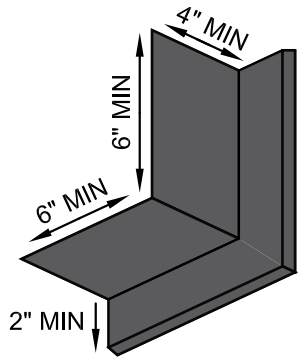
westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com



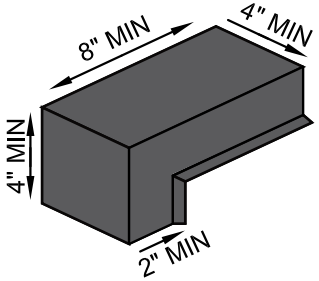

PREFAB PIECES
INSIDE STAIRS




PREFAB PIECES
OUTSIDE STAIRS




NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4″ overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



REV. 5/5/25 TC

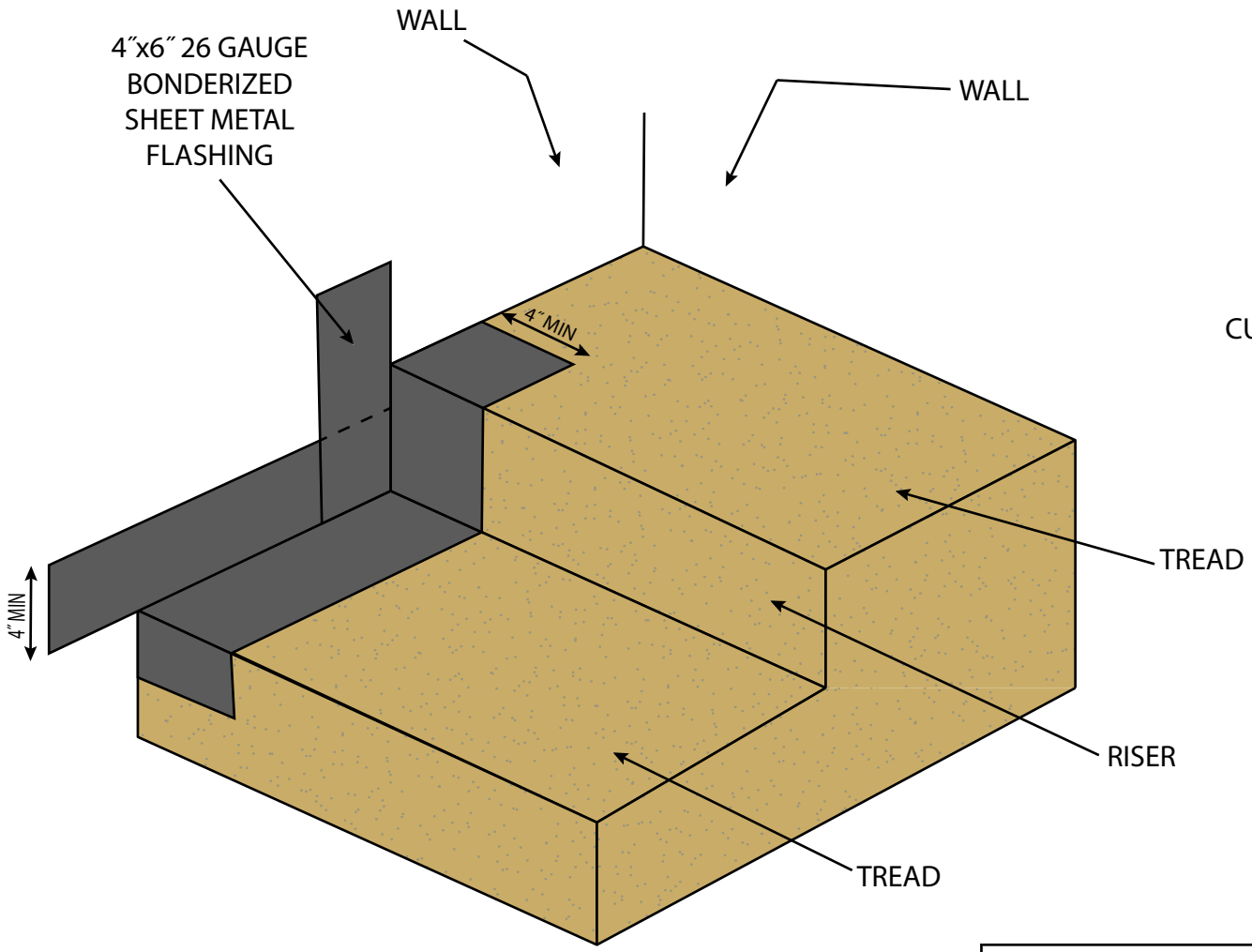
# WESTCOAT STAIR FLASHING - PRE-FAB DETAIL

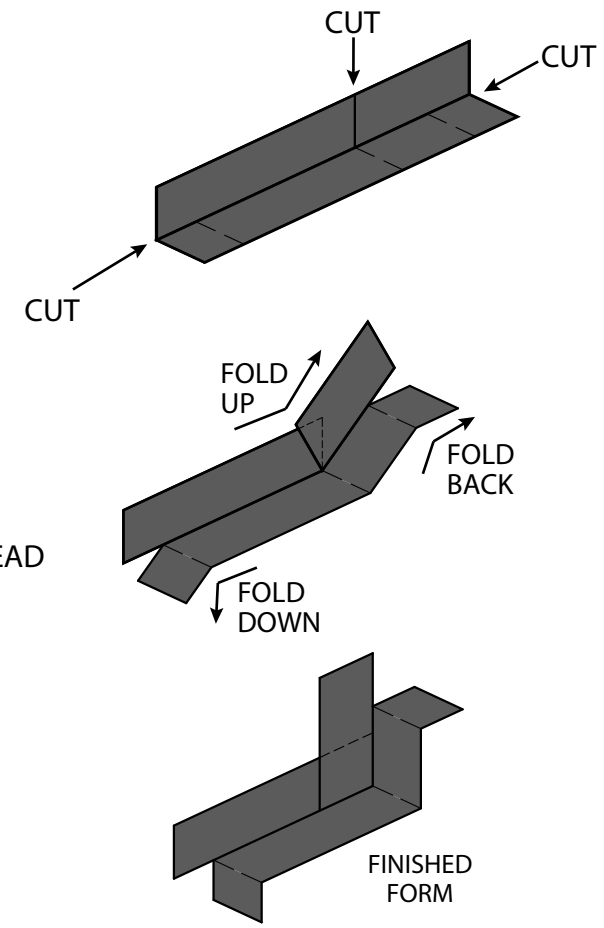
DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com

## SITE BUILT PIECE




NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4″ overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



REV. 5/5/25 TC

# STAIR FLASHING - SITE BUILT DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
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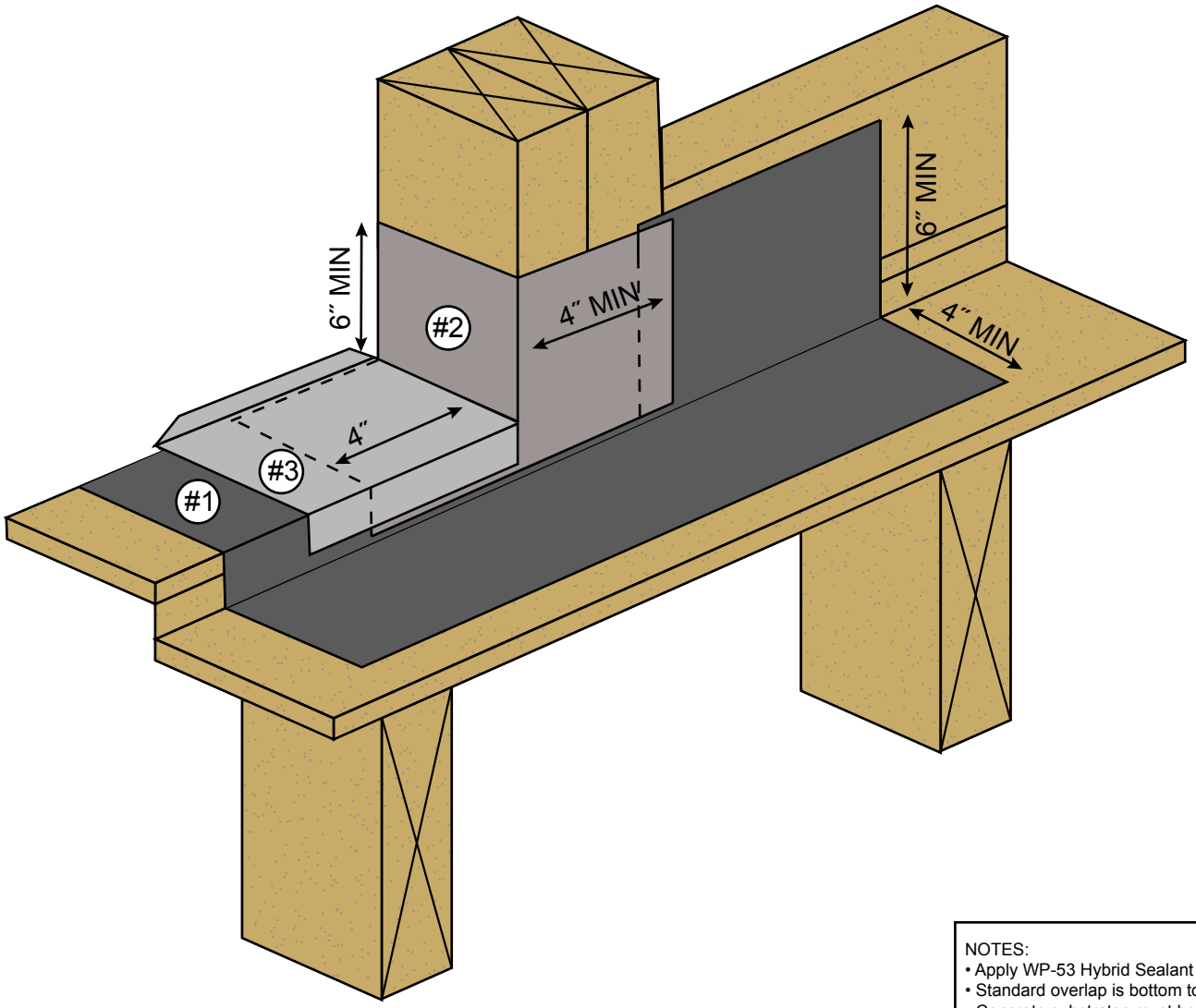
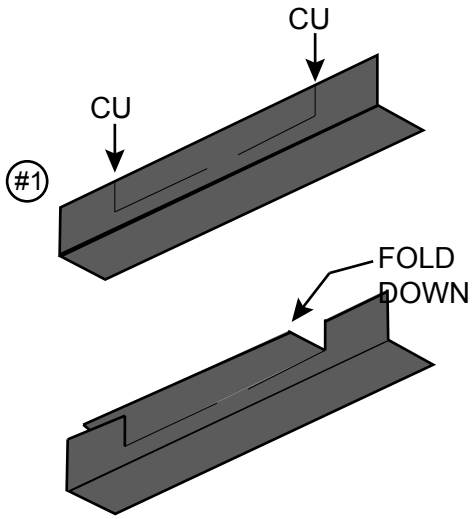
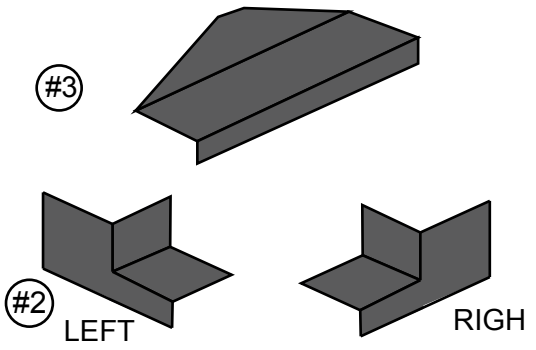
800.250.4519 • westcoat.com




## SITE BUILT PIECE




## PREFAB. PIECES




NOTES:
- Apply WP-53 Hybrid Sealant on all flashing seams and overalaps.
- Standard overlap is bottom to top with a 4" overlap.
- Concrete substrates must be a minimum 2500 PSI.
- Refer to local building codes and standards
- Refer to appropriate System and Product Specification Sheets for additional information.



REV. 5/5/25 TC

# THRESHOLD FLASHING DETAIL

DIVISION 07 18 13
Pedestrian Traffic Coatings

SCALE : NTS

westcoat®
4007 Lockridge Street • San Diego, CA • 92102
800.250.4519 • westcoat.com