

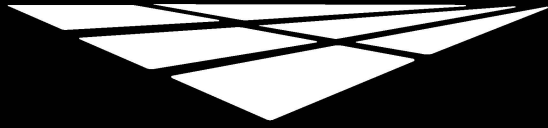
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SHUR DECK OVER CONCRETE



WATERPROOF

RELIABLE MOISTURE BARRIERS



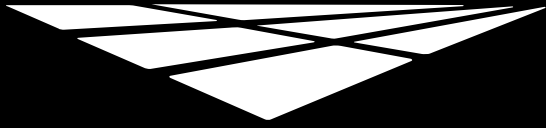
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SHUR DECK OVER CONCRETE SUBMITTAL PACKAGE

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

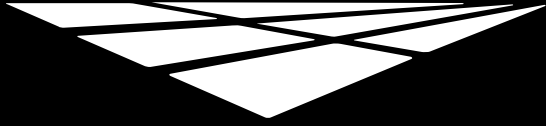
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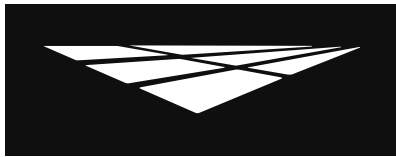
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SYSTEM BROCHURE



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SYSTEM SPECIFICATION SHEET



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SYSTEM SPECIFICATION

WP

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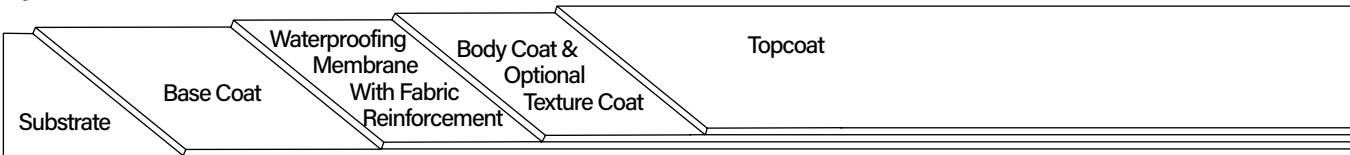
Description

Shur Deck (over Concrete) is a multi-layer, cementitious walking deck system designed for use over concrete substrates. This system consists of cementitious filler, reinforced flexible latex waterproofing membrane and acrylic sealer. Installed at a minimum 3/16 inch finished thickness, this seamless, trowel applied system provides long term durability and waterproofing protection over concrete substrates.


Uses

The Shur Deck System is designed for exterior walking roof decks, observation decks, promenade decks and balconies, all pedestrian traffic areas and walkways and breezeways.

System Overview



System Data

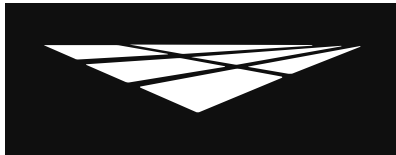
Coverages	Base Coat	WP Membrane	Body Coat (2 coats)	Texture Coat (optional)	Top Coat (2 coats)
	80-90 ft ² per mix	WP-95: 100-150 ft ² per gal (Under WP-45) WP-45: 300LF/Roll WP-95: 50 ft ² (Above)	1st coat: 80-90 ft ² per mix 2nd coat: 80-90 ft ² per mix	100-150 ft ² per mix	1st coat: 300-350 ft ² per gal 2nd coat: 300-350 ft ² per gal
Components	EC-72 Epoxy Patch Gel WP-47A Seam Tape TC-11 Dry Polymer Basecoat Cement WP-53 Hybrid Sealant WP-45 Flashing Fabric WP-95 Waterproofing Membrane WP-48 Tri-Directional Fiberglass SC-10 Acrylic Topcoat			Shelf Life	ER-517 
				2 years 1 year 1 year 1 year Indefinite 1 year 5 years 2 years	
Certifications	IAPMO Evaluation Report ER-517 Class A Fire-Retardant Roofing System Meets AC39 Standards for Walking Deck Meets 2023 City of Los Angeles Building and Residential Code (LABC & LARC)				

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Advantages

Seamless, Monolithic Membrane • Will not Soften Under High Temperatures • Resists Degradation from UV, Ozone and Weathering • Outstanding Long-Term Durability and Performance • Solvent-free • Environmentally Friendly • One Cement System • Class A Fire-Retardant System

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

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

Concrete shall be prepared by water blasting, grinding or shot blasting as required to produce a clean, sound substrate, equal to a minimum CSP 3 per ICRI. All holes shall be cleaned and filled with TC-11 Dry Polymer Basecoat Cement or TC-30 Slope Mix. All high spots shall be removed by chipping or grinding. Concrete control joints shall meet local building codes and comply with industry standards.

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 Shur-Deck process is completed.

Concrete Seams and Cracks

Cracks greater than 1/32 inch should be routed out 1/4 x 1/4 inch. Install WP-47A Seam Tape over all cracks and seams. Apply Mer-Ko 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 3-4 hours for the EC-72 to cure, before the next coat. 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 deck using 4 x 6 inch flashing. Flash the fascia with 2 x 4 inch drip edge flashing. Use a minimum of 26-gauge bonderized sheet metal. Flashing for concrete should be set in a bed of Westcoat's 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).

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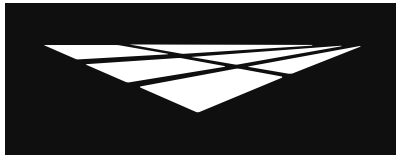


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Primer Requirements

Priming is not required over properly prepared concrete. Surface should be saturated surface dry (SSD) with no standing water present when applying material.

Base Coat

The Base Coat consists of 1 gallon of water to one 50 lb. bag of TC-11 Dry Polymer Basecoat Cement. Blend with a mechanical mixer for 2-3 minutes, until an even consistency is achieved. Trowel the material over the properly prepared concrete at a rate of 80-90 ft² per mix. The minimum thickness of the Base Coat should be 1/16 inch thick. Brush the mix smoothly onto the flashing and all vertical surfaces while applying the Base Coat to the horizontal surface. The Base Coat must be allowed to dry for a minimum of 8 hours at 70F degrees/50% RH or until dry to the touch before moving to the next step. Remove minor surface imperfections by lightly scraping or sanding. Be sure to remove all debris prior to commencing with the next step.

Waterproofing Membrane with Fabric Reinforcement (Flashing)

Install WP-45 Flashing Fabric to all vertical flashings. Apply a coat of WP-95 Waterproofing Membrane onto the vertical surface and onto the adjacent horizontal surface by using a brush or roller at a rate of 100-150 square feet per gallon. Immediately embed the WP-45 fabric, fuzzy side down, into the wet WP-95 overlapping successive runs of fabric edges and ends, a minimum of 2 inches. Apply a coat of WP-95 at a coverage rate of 50 square feet per gallon over the WP-45. Make sure the fabric is fitted tightly in corners and around protrusions. Apply additional WP-95 as necessary over the fabric areas to ensure positive waterproofing is completely covering the fabric. The waterproofing membrane should be a minimum of 20 mils DFT.

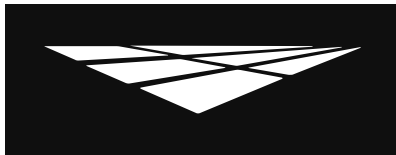
Waterproofing Membrane with Fabric Reinforcement (Deck)

Install the WP-48 Tri-Directional Fiberlath to the horizontal surfaces. Roll out the WP-48 and cut to size. Lay the lath "curl side" down over the Base Coat. Overlap successive runs of WP-48 edges and ends a minimum of 2 inches. Pour the WP-95 Waterproofing Membrane onto the WP-48 and spread smooth with a trowel and back roll, completely covering the WP-48. The coverage rate of the WP-95 in this application is 65 square feet per gallon. Apply additional WP-95 as necessary over areas to ensure positive waterproofing. Once dry to the touch, apply an additional coat of WP-95 over the entire surface at a rate of 150 square feet per gallon by trowel or roller. Allow final coat to fully dry before applying the Body Coat, ~24 hours. Applications in elevated or high humidity will require additional dry time. Waterproofing Membrane shall be a total of 15 mils (DFT).

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Body Coat

The Body Coat is applied in two coats. Mix 1 gallon of water to one 50 lb. bag of TC-11 Dry Polymer Basecoat Cement. Blend with a mechanical mixer for 2-3 minutes, until an even consistency is achieved. Trowel the material over the dry membrane surface at a rate of 80-90 square feet per mix. Brush the mixed material onto the flashing and all vertical surfaces where bonding will occur and trowel apply to the entire deck surface as smooth as possible. Allow the first coat to dry for a minimum of 2 hours before applying the second coat. Repeat the process for the 2nd coat as mentioned above. An optional texture coat may be applied on top of the second application of the Body Coat. The Body Coat must be allowed to dry for a minimum of 2 hours at 70°F/50% RH or until dry to the touch before moving to the next step. Remove minor surface imperfections by lightly scraping or sanding. Be sure to remove all debris prior to commencing with the next step.

Texture Coat (Optional)

An optional Texture Coat is prepared by mixing 1 gallon of water with each bag of TC-11 Dry Polymer Basecoat Cement. The Texture Coat is applied to the surface at a rate of 100-150 square feet per bag. Allow the Texture Coat to dry a minimum 2 hours at 70F degrees, 50 percent relative humidity and then sand the surface to produce the desired level of finish. Ensure all dust and debris has been removed. For a smoother Texture Coat, TC-12 Shur Deck Fine Cement may be used in lieu of TC-11. Please refer to the TC-12 Product Specification Sheet for additional information.

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 homogeneous 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 $\frac{3}{8}$ - $\frac{1}{2}$ inch roller at a rate of 300-350 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 70F 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. Allow 5 days prior to any abrasion or chemical exposure.

Optional Materials

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.

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

Clean Up

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

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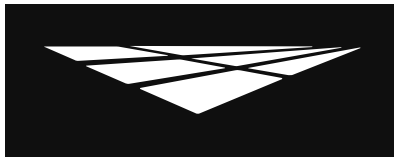


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Maintenance

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 Merko 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.
- System warranties require installation by currently listed applicators.
- In freezing climates, sufficient pitch is required to ensure run-off.
- When installing a deck system over an unheated enclosed space (e.g., garage, etc.) provisions must be made to vent the area.
- Drains must be of a design suitable to receive Shur Deck Pro system.
- Concrete substrates must have a minimum compressive strength of 3,000 psi tested by "point loading" technique.
- Shur Deck System provides moderate chemical resistance. Avoid exposure to harsh chemicals or acids.
- Heavy objects can affect the decking system and result in hairline cracks at the surface of the system. Avoid placing heavy objects on or dragging them across the Shur Deck Pro surface.
- Cementitious materials should be used within 30 minutes, do not re-temper.
- The Waterproofing Membrane should not be exposed for more than 72 hours prior to being covered with the Body Coat.
- Do not leave any layer unprotected for more than 30 days prior to completing the full system installation, including the final topcoat application.
- Not designed for vehicular or heavy steel wheeled traffic.
- Protect all finished surfaces that are not intended to receive the deck coating system materials.
- 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 of 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.

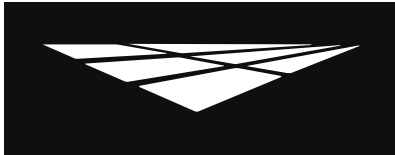
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Shur Deck **over Concrete**

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.

Test Data

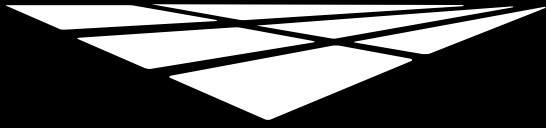
Test	Results
Abrasion Resistance ASTM 1242A, AC-39 Wheel, 1,000 mg load for 1,000 cycles)	0.001 inch loss
Adhesion (ASTM C794)	>374 psi
Compressive Strength (ASTM C109)	3,500 psi
Elongation (ASTM D638)	0.04 ft./ft.
Fire Rating One-Hour	ASTM E-119
Fire Rating Class A Fire-Retardant Rated	ASTM E-108
Ozone Resistance - 30 day exposure	No visual adverse effects
Resistance to Aging (ASTM G23, AC 39)	2,000 hours No visual signs of failure
Tensile Strength (ASTM C190)	>450 psi
Thickness	3/16 inch
Water Absorption(ASTM D-570, AC 39/S4.8)	Average 9.0%
Weight	<2 lbs/ft ²
Wind Resistance	80 mph
Freeze/Thaw Cycling (ASTM C67)	No breakage or weight loss

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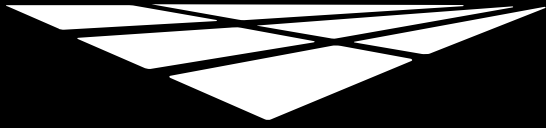
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CSI SPECIFICATION



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EVALUATION REPORT



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**SHUR DECK, SHUR DECK PRO,
 SHUR DECK OVER CONCRETE, AND
 MER-KO SYSTEMS**

CSI Sections:
07 18 13 Pedestrian Traffic Coatings
07 50 00 Membrane Roofing

1.0 RECOGNITION

The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems recognized in this report have been evaluated for use as walking deck and roof covering systems. The durability, impact resistance, weather resistance, wind uplift resistance, roof fire classification, and fire-resistance-rating properties of the Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems were evaluated for compliance with the following codes:

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

2.0 LIMITATIONS

Use of the Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems recognized in this report is subject to the following limitations:

2.1 Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems shall be manufactured, identified, and installed in accordance with this report and the applicable code. In the event of a conflict, the more restrictive governs.

2.2 Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko 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 beyond the scope of this report.

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

2.5 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck over Concrete, and Mer-Ko Systems are manufactured in San Diego, CA.

3.0 PRODUCT USE

3.1 General: The Westcoat Shur Deck, Shur Deck Pro, Shur Deck over Concrete, and Mer-Ko Systems recognized in this report are elastomeric walking deck and roof covering systems used directly over plywood or concrete substrates, as applicable.

3.2 Fire Classification Roof Assemblies: The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems are components of Class A roof assemblies when installed in accordance with this report at a minimum slope of ¼ inch per 1 foot (2-percent slope).

3.3 One-hour Fire-resistance-rated Floor(Roof)/Ceiling Assembly: The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, or the Mer-Ko systems, when installed in accordance with Section 3.5 of this report over minimum 5/8-inch-thick exterior-grade plywood, with minimum 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, and 2015. Ceiling construction shall comply with Item Numbers 13-1.1 to 13-1.4 of 2021, 2018, and 2015.

3.4 Wind Resistance: Installation to plywood is limited on structures with a maximum height of 40 feet (12.2 m), for use in Exposure B areas subject to the following:

- a) A basic wind speed of 130 miles per hour under the 2021 IBC and 2018 IBC.
- b) A maximum design wind speed of 130 miles per hour under the 2021 IRC, 2018 IRC, 2015 IBC, and 2015 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.

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with Section 104.2.3 of the 2024 IBC and Section 104.11 of previous editions. This document shall only be reproduced in its entirety.





3.5 Installation:

3.5.1 Westcoat Shur Deck, Shur Deck Pro, and Shur Deck Over Concrete Systems:

a) General: The Westcoat Shur Deck, Shur Deck Pro, and Shur Deck Over Concrete 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 inch per 1 foot (2-percent slope).

b) Plywood Substrates: Plywood substrates shall comply with Section 4.2.3 (d) 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 countersunk wood screws, screw- or ring-shank nails equivalent to 8d common nails, spaced 4 inches maximum, on center at sheet perimeters and 8 inches maximum, on center in the field. 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) Optional: WP-40 Sheet Membrane: The WP-40 Sheet Membrane, complying with Section 4.1.2 (e) of this report, may be applied over all plywood joints in 6-. 36-inch-wide strips may be applied over the entire plywood deck.

d) Glass Lath: The WP-30 Westcoat Glass Lath complying with Section 4.1.2 (g) of this report is applied perpendicular to plywood sheets. Glass Lath shall be installed over a metal flashing, stopping at least 1 inch from any deck edge or vertical juncture in the Shur Deck System and 2 inches in the Shur Deck Pro System. The lath seams shall be staggered a minimum of 2 inches from plywood joints with lath sheet ends staggered a minimum of 12 inches from any adjacent sheets. Lath shall be lapped 1 to 2 inches at seams and stapled to the plywood every 1 to 2 inches. A minimum of 22 WP-10 Staples, complying with Section 4.1.2 (i) of this report, per square foot, are required to attach the lath to the plywood substrate. WP-10 staples shall be placed from the center of the lath to the outside edges so as not to form bulges. High staples and lath edges shall be driven flush. The WP-25 Metal Lath may be used in lieu of the WP-30 Westcoat Glass Lath only for the Westcoat Shur Deck and Shur Deck Pro System on plywood substrates.

e) Concrete Substrates: When applying the Westcoat Shur Deck Over Concrete system over a concrete substrate, the WP-30 Westcoat Glass Lath or WP-25 Metal Lath are not required. Concrete substrates shall comply with Section 4.1.2

(j) of this report. Concrete surfaces shall be prepared by water blasting, grinding, or shot blasting as required to produce a clean, sound substrate, equal to a minimum CSP 3. All holes shall be cleaned and filled with TC-11 Dry Polymer Basecoat Cement or an appropriate Westcoat Underlayment. All high spots shall be removed by chipping or grinding. Concrete control joints shall comply with local building codes and comply with industry standards.

f) Base Coat: The Base Coat is prepared by mixing 1 gallon of water with one bag of TC-11 Dry Polymer Basecoat Cement complying with Section 4.1.2 (a) of this report. The mixture shall be troweled over the horizontal glass lath surface at a rate of 30 ft² per mix, to a minimum 1/8-inch thickness over plywood and lath, and all-metal and plywood shall be completely covered, and surfaces shall be flat. When using the WP-25 Metal Lath complying with Section 4.2.3 (b), coverage to the surface shall be 40-45 ft² per mix. The Base Coat is brushed smoothly onto flashing and all vertical surfaces while applying the Base Coat to the horizontal surface. For concrete substrates, the Base Coat should be applied at 80-90 ft² per mix. The minimum thickness shall be 1/16-inch. Prior to proceeding with the next layer, the base coat shall be allowed to cure firm. Applications in elevated humidity conditions will require additional drying time.

3.5.2 Shur Deck Pro and Shur Deck over Concrete Systems: As an option, to transition from Shur Deck to Shur Deck Pro and Shur Deck over Concrete, items (g) and (h) complying with Section 3.5.2 of this report are required to be applied over the dry Base Coat.

g) Waterproofing Membrane with Fabric Reinforcement (Flashing): WP-95 Waterproofing Membrane, complying with Section 4.1.2 (b) of this report, shall be applied onto vertical and adjacent horizontal surfaces using a brush or roller at a rate of 50 ft² per gallon. Immediately after the WP-95 has been applied and while the material is still wet, the WP-45 Flashing Fabric complying with Section 4.1.2 (d) of this report shall be installed fuzzy side down into the wet WP-95 material, overlapping successive runs of fabric edges and ends a minimum of 2 inches. Care is taken to ensure that the burlap is fitted tightly in corners and around protrusions. Additional WP-95 shall be applied as necessary over the burlap fabric to ensure positive waterproofing and that the burlap is completely covered. No dry or fabric material spots shall be visible, and the fabric shall be completely flat and without wrinkles. The waterproofing membrane shall be a total of at least 20 mils Dry Film Thickness.

h) Waterproofing Membrane with Fabric Reinforcement (Deck): WP-48 Tri-Directional Fiberlath, complying with Section 4.1.2 (c) of this report, shall be applied to the horizontal substrate. The WP-48 is rolled out, cut to size, and laid "curl side" down over the Base Coat. Overlap successive runs of WP-48 edges and ends a minimum of 2 inches. The WP-95 Waterproofing Membrane,



complying with Section 4.1.2 (b) of this report, is poured onto the WP-48 Tri-Directional Fiberlath and applied ensuring complete coverage of the WP-48 Tri-Directional Fiberlath. The coverage rate of the WP-95 material in this application is 60-65 ft² per gallon. Additional WP-95 shall be applied as necessary over areas to ensure positive waterproofing (no pinholes). An additional coat of the WP-95 Waterproofing Membrane material shall be applied over the entire surface at a rate of 140 to 150 ft² per gallon. The membrane shall dry a minimum of 24 hours or until dry enough to walk on without leaving impressions. Applications in elevated or high humidity conditions will require additional dry time. The waterproofing membrane shall be a total of at least 20 mils Dry Film Thickness.

3.5.3 Shur Deck System: The Shur Deck System shall follow the installation requirements in accordance with Section 3.5 of this report):

i) Body Coat: The Body Coat is a two-coat application and is prepared by mixing 1 gallon of water with each bag of TC-11 Dry Polymer Basecoat Cement complying with Section 4.1.2 (a) of this report. The first coat is brushed onto vertical areas and then troweled across the entire deck surface at a rate of 80 to 90 ft² per mix, and the second coat is applied at the same rate (80-90 ft² per mix). A minimum cure time of 2 hours between coats is required. The minimum total thickness of the Body Coat is 1/8 inch. The Body Coat shall dry for a minimum of 2 hours at 70°F, 50 percent relative humidity. The surface may then be sanded to produce the desired level of finish. All dust and debris shall be removed.

j) Texture Coat: An optional Texture Coat is prepared by mixing 1 gallon of water with each bag of TC-11 Dry Polymer Basecoat Cement complying with Section 4.1.2 (a) of this report. The Texture Coat is applied to the surface at a rate of 100-150 ft² per bag, for a minimum 1/16-inch thickness. The Texture Coat shall dry for a minimum of 2 hours drying time at 70°F, 50 percent relative humidity, and then the surface may be sanded to produce the desired level of finish. All dust and debris shall be removed.

k) Topcoat: The SC-10 Acrylic Topcoat complying with Section 4.1.2 (f) of this report shall be sprayed or rolled in two coats. The first coat shall be applied at the rate of 300 to 350 ft² per gallon and allowed to dry for 2 hours at 70°F, 50 percent relative humidity. Then a second coat of the SC-10 Acrylic Topcoat shall be applied perpendicular to the first at the rate of 300 to 350 ft² per gallon. The SC-10 Acrylic Topcoat shall be allowed 6 to 8 hours to dry before returning to light service and 24 hours for normal service (70°F, 50 percent relative humidity). For small areas or in locations with cool temperatures, one coat of the SC-10 may be applied at 150 to 175 ft² per gallon.

3.5.4 Westcoat Mer-Ko System

a) General: The Westcoat Mer-Ko walking deck and roof covering system 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 55°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 1/4-inch per foot (2-percent slope).

b) Plywood: Plywood substrates shall comply with Section 4.3.2 (j) 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 countersunk wood screws, screw- or ring-shank nails equivalent to 8d common nails, spaced 4 inches maximum, on center at sheet perimeters and 8 inches maximum, on center in the field. The plywood shall be dry, clean, and free of any foreign material such as oil, dust, grease, or paint. Cracks in the plywood and all plywood joints should be filled by mixing 1.75 to 2 gallons of WP-89 Liquid Emulsion described in Section 4.3.2 (d) of this report with one bag of TC-14 Fine Deck Cement complying with Section 4.3.2 (e) of this report. The mixture shall then be applied and stricken flush before drying.

c) Concrete: Concrete substrates shall comply with Section 4.2.2 (m) of this report. Concrete surfaces shall be prepared using a power sprayer, grinder, or shot blast as required to produce a clean, sound substrate. All holes and joints shall be cleaned and filled with WP-53 Hybrid Sealant complying with Section 4.3.2 (c) of this report and tooled. A minimum 24 hours drying time at 70°F, and 50 percent relative humidity shall be observed before continuing with the application of the slip sheet.

d) Slip Sheet: WP-49 Mer-Ko Slip Sheet, complying with Section 4.3.2 (b) of this report, shall be applied over the entire deck maintaining a 2-inch distance from all vertical surfaces, parapets, drain openings, etc. The slip sheet edges shall lap a minimum of 2 inches, and end-of-roll terminations shall be staggered. A 1/4 inch bead of WP-53 Hybrid Sealant, complying with Section 4.3.2 (c) of this report, shall be used to bond-slip sheet overlaps, the slip sheet to the deck perimeter, and the slip sheet at intermediate locations to limit the non-bonded area to a maximum of 4,000 ft². A minimum 24 hours drying time at 70°F, 50 percent relative humidity shall be observed before continuing with the installation of the primer coat.

e) Skim Coat: The Skim Coat is prepared by mixing one bag of TC-14 Fine Deck Cement complying with Section 4.3.2 (e) of this report, with 1.5 to 2 gallons of WP-89 Liquid Emulsion complying with Section 4.3.2 (d) of this report. The Skim Coat is applied by trowel over the entire horizontal substrate and adjacent flashing surfaces where bonding will occur, to a minimum 1/32-inch thickness. A minimum two hours drying time at 70°F, 50 percent relative



humidity shall be observed before continuing with the application of the waterproof membrane. Minor surface imperfections shall be treated by scraping and or sanding. All dust and debris shall be removed.

f) Waterproofing Membrane with Fabric Reinforcement (Flashing): A coat of WP-95 Waterproofing Membrane, complying with Section 4.3.2 (a) of this report, shall be applied onto vertical and adjacent horizontal surfaces using a brush or roller at a rate of 50 ft² per gallon. Immediately after the WP-95 has been applied and while the material is still wet, the WP-45 Flashing Fabric complying with Section 4.3.2 (h) of this report shall be installed fuzzy side down into the wet WP-95, overlapping successive runs of fabric edges and ends a minimum of 2 inches. Care is taken to ensure that the burlap is fitted tightly in corners and around protrusions. Additional WP-95 Waterproofing Membrane material is applied as necessary over the burlap fabric to ensure positive waterproofing (no pinholes) and that the burlap is completely covered. No dry or fabric material spots shall be visible and the fabric shall be completely flat and without wrinkles.

g) Waterproofing Membrane with Fabric Reinforcement (Deck): The WP-48 Tri-Directional Fiberlath, complying with Section 4.3.2 (f) of this report, shall be applied to the horizontal surfaces. The WP-48 is rolled out, cut to size, and laid “curl side” down over the Base Coat. Successive runs of WP-48 edges and ends shall be overlapped a minimum of 2 inches. The WP-95 Waterproofing Membrane liquid, complying with Section 4.3.2 (a) of this report, shall be poured onto the WP-48 Tri-Directional Fiberlath and trowel smooth ensuring complete coverage of the WP-48 Tri-Directional Fiberlath. The coverage rate of the WP-95 in this application is 45-50 ft² per gallon. Additional WP-95 Waterproofing Membrane liquid is applied as necessary over areas to ensure positive waterproofing (no pinholes). An additional coat of the WP-95 Waterproofing Membrane liquid is applied over the entire surface at a rate of 130 to 140 ft² per gallon by trowel or roller. The membrane shall dry for a minimum of 24 hours or until dry enough to walk on without leaving impressions. Applications in elevated or high humidity conditions will require additional dry time. The waterproofing membrane shall be a total of at least 20 mils Dry Film Thickness.

h) Body Coat: The Body Coat is a two-coat application and is prepared by mixing 1 to 1.25 gallons of WP-89 Liquid Emulsion complying with Section 4.3.2 (d) of this report to one bag of TC-13 Coarse Deck Cement complying with Section 4.3.2 (h) of this report. The first coat is troweled across the dry membrane at a rate of 80 to 90 ft² per mix, and the second coat is applied at the same rate (80-90 ft² per mix). A minimum cure time of 2 hours between coats is required. The minimum total thickness of the Body Coat is 1/8 inch. The Body Coat shall dry for a minimum of 4 hours at 70°F, 50 percent relative humidity. Minor surface imperfections

shall be removed by lightly scraping or sanding. All dust and debris shall be removed.

i) Smoothing Coat: The Smoothing Coat is a mixture of 1.5 to 2 gallons of WP-89 Liquid Emulsion, complying with Section 4.2.2 (e) of this report, to one 40 lb. bag of TC-14 Fine Deck Cement, complying with Section 4.3.2 (e) of this report. The mixture is applied over all vertical and horizontal surfaces at a rate of 150-200 ft² per mix, producing a minimum 1/32-inch thickness. Optionally, for texture or an extra smooth surface, a second coat is applied. The first coat needs to dry a minimum of two hours before proceeding with any second application. The final coat shall dry a minimum of 24 hours at 70°F, 50 percent relative humidity, and then the surface may be sanded to produce the desired level of finish. All dust and debris shall be removed.

j) Topcoat: Two coats of the SC-10 Acrylic Topcoat, complying with Section 4.3.2 (i) of this report, shall be applied by a roller at the rate of 300 to 350 ft² per gallon. After allowing the first coat to dry a minimum of 2 hours at 70°F, 50 percent relative humidity, the second coat of SC-10 shall be applied perpendicular to the first coat. Allow 6 to 8 hours to dry before returning to light service, 24 hours for normal service. For small areas or in locations with cool temperatures, one coat of the SC-10 may be applied at 150 to 175 ft² per gallon.

4.0 PRODUCT DESCRIPTION

4.1 Westcoat Shur Deck Standard (Over Concrete)

4.1.1 General: Westcoat Shur Deck walking deck and roof covering system is an elastomeric, multi-layer protective coating system for use over concrete. The system consists of reinforcing metal lath, cementitious filler, reinforced latex waterproofing membrane, and acrylic sealer.

4.1.2 Components:

a) TC-11 Dry Polymer Basecoat Cement: The TC-11 is a blend of cement, sand, and polymers, delivered in 50-pound bags. The shelf life is one year maximum when stored in unopened bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

b) WP-95 Waterproofing Membrane: The WP-95 is an asphalt-modified latex elastomer liquid, delivered in 5-gallon pails. The shelf life is one year maximum when stored in unopened pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100.

c) WP-48 Tri-Directional Fiberlath: The fiberlath is delivered in rolls measuring 38 inches wide with a coverage of 475 square feet.

d) WP-45 Flashing Fabric: The WP-45 is delivered in rolls measuring 10 inches wide with coverage of 300 linear feet.



e) **WP-40 Sheet Membrane:** The WP-40 Sheet membrane is a self-adhering, nominally 40-mil-thick, reinforced modified bituminous membrane with a white-colored reflective topping applied to the top surface. The membrane is produced in 6-inch-wide- and 36-inch-wide-by-75-foot-long rolls.

f) **SC-10 Acrylic Topcoat :** The SC-10 is a pigmented acrylic liquid, delivered in 5-gallon pails. The shelf life is two years maximum when stored in unopened pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

g) **WP-30 Westcoat Glass Lath:** The WP-30 is delivered in rolls measuring 39 inches wide with a coverage rate of 490 sq. ft.

h) **WP-10 Staples:** The WP-10 shall comply with ASTM F1667 and shall have a minimum 5/8 inch leg, a minimum 1-inch crown, and be formed from hot-dip galvanized or electro-galvanized steel wire having a Class 1 coating weight in conformance with A641 or Types 302, 304, 305, or 316 stainless steel wire.

i) **Concrete:** Concrete shall comply with the IBC or IRC as normal-weight, with a minimum specified compressive strength, f'_c , of 3,000 psi.

j) **Permeability:** Shur Deck Over Concrete, Shur Deck Pro, or Shur Deck with full coverage of WP-40 has 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 (23° C) and 50 percent relative humidity.

4.2 Westcoat Shur Deck and Westcoat Shur Deck Pro (Over Plywood)

4.2.1 **Westcoat Shur Deck:** Westcoat Shur Deck for use over plywood shall use the following components in addition to the applicable items listed in Sections 4.1.2 (a) through (h), except for the WP-95 Waterproofing Membrane, WP-48 Westcoat Lath and WP-45 Flashing Fabric listed in Section 4.1.2 (b), Section 4.1.2 (c), and Sections 4.1.2 (d), respectively. Westcoat Shur Deck has the option to use TC-12 and WP-25 as listed in Section 4.2.3 (a) and Section 4.2.3 (b) of this report.

4.2.2 **Westcoat Shur Deck Pro:** Westcoat Shur Deck Pro for use over plywood shall use the following components in addition to the applicable items listed in Sections 4.1.2 (a) through (h). Westcoat Shur Deck Pro has the option to use TC-12 and WP-25 as listed in Section 4.2.3 (a) and Section 4.2.3 (b) of this report.

4.2.3 Components:

a) **Optional: TC-12 Shur Deck Fine Cement:** The TC-12 has the same shelf life as the TC-11, but with a fine texture finish.

b) **Optional 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 sheets measuring 27 inches wide by 97 inches long.

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

4.3 Westcoat Mer-Ko System

4.3.1 **General:** The Westcoat Mer-Ko walking deck and roof covering system is an elastomeric, multi-layer protective coating system for use over plywood or concrete substrates. The consists of a sealant, slip sheet, skim coat, waterproofing membrane, fabric, body coat, smoothing coat, and topcoat.

4.3.2 Components:

a) **WP-95 Waterproofing Membrane:** The WP-95 is an asphalt-modified latex elastomer liquid, delivered in 5-gallon pails. The shelf life is one year maximum when stored in unopened pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

b) **WP-49 Mer-Ko Slip Sheet:** The WP-49 is a heavy-weight fibrous mat coated with SBS-modified asphalt delivered in rolls with a coverage of 216 square feet.

c) **WP-53 Hybrid Sealant:** The WP-53 is a synthetic copolymer rubber-high solids adhesive delivered in 10-ounce cartridges and 20-ounce sausages. The shelf life is one year maximum when stored in unopened tubes in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

d) **WP-89 Liquid Emulsion:** The WP-89 is an elastomeric latex polymer liquid, delivered in 5-gallon pails. The shelf life is two years maximum when stored in unopened pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

e) **TC-14 Fine Deck Cement:** The TC-14 is a blend of Portland cement and sand delivered in 40-pound bags. The shelf life is one year maximum when stored in unopened bags in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

f) **WP-48 Tri-Directional Fiberlath:** The fiberlath is delivered in rolls measuring 38 inches wide with a coverage of 475 square feet.

g) **WP-45 Flashing Fabric :** The WP-45 is delivered in rolls measuring 10 inches wide with coverage of 300 linear feet.

h) **TC-13 Coarse Deck Cement:** The TC-13 is a blend of Portland cement and sand, delivered in 50-pound bags. The shelf life is one year maximum when stored in unopened bags



in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

i) SC-10 Acrylic Topcoat : The SC-10 is a pigmented acrylic liquid, delivered in 5-gallon pails. The shelf life is two years maximum when stored in unopened pails in dry locations out of direct sunlight at temperatures ranging from 40°F to 100°F.

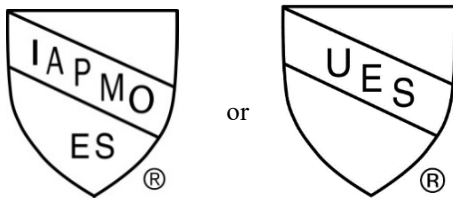
j) Plywood: Plywood, with an exterior bond classification, conforming to DOC PS-1 or DOC PS-2, shall be a minimum of 5/8 inch thick.

k) Concrete: Concrete shall comply with the IBC or IRC as normal-weight, with a minimum specified compressive strength, f'_c , of 3,000 psi.

l) Permeability: Mer-Ko System has 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 (23° C) and 50 percent relative humidity.

5.0 IDENTIFICATION

Product packaging shall include the company name or trademark, product name or model number, and the IAPMO UES Evaluation Report Number (IAPMO UES ER-517) to identify the products recognized in this report. Either IAPMO UES Mark of Conformity may also be used as shown below:



IAPMO UES ER-517

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Walking Decks (AC39) approved June 2017, editorially revised November 2020.

6.2 Reports of testing for compliance with the Standard Test Methods for Water Vapor Transmission of Materials in accordance with ASTM E96.

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

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on the Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko walking deck and roof covering systems, with the Westcoat by Westcoat label, to assess conformance to the codes and standards shown in Section 1.0 of this report and documents the product's certification. Products are manufactured at locations noted in Section 2.5 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 or email us at info@uniform-es.org



CALIFORNIA SUPPLEMENT

WESTCOAT

4007 Lockridge Street

San Diego, CA 92102

(844)-537-7203

www.Westcoat.com

WESTCOAT SHUR DECK, SHUR DECK PRO, AND MER-KO SYSTEMS

CSI Sections:

07 18 13 Pedestrian Traffic Coatings

07 50 00 Membrane Roofing

1.0 RECOGNITION

The Westcoat Shur Deck, Shur Deck Pro, and Mer-Ko Systems described in IAPMO UES ER-517 and in this report supplement have been evaluated for use as walking deck and roof covering systems. The durability, impact resistance, weather resistance, wind uplift resistance, roof fire classification, and fire-resistance-rating properties of the Westcoat Shur Deck, Shur Deck Pro, and Mer-Ko Systems were evaluated for compliance with the following codes:

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

2.0 LIMITATIONS

Use of The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems recognized in this supplement are subject to the following limitations:

2.1 For use under 2022 CBC and 2022 CRC, the Mer-Ko Systems shall comply with the provisions applicable to the 2021 IBC or 2021 IRC in IAPMO UES ER-517.

2.2 The Westcoat Shur Deck, Shur Deck Pro, and Mer-Ko Systems may be used as Class A roof covering systems in accordance with Sections 1505.2 of the CBC or R902.1 of the CRC.

2.3 Only the Westcoat Shur Deck and Shur Deck Pro 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 Shur Deck and Shur Deck Pro Systems comply with the requirements when tested in accordance with ASTM E2632 and ASTM E2726.

2.4 This supplement expires concurrently with IAPMO UES ER-517.

For additional information about this evaluation report please visit

www.uniform-es.org or email us at info@uniform-es.org



CITY OF LOS ANGELES SUPPLEMENT

WESTCOAT
4007 Lockridge Street
San Diego, CA 92102
(844)-537-7203

WESTCOAT SHUR DECK, SHUR DECK PRO, SHUR DECK OVER CONCRETE AND MER-KO SYSTEMS

CSI Sections:

- 07 18 13 Pedestrian Traffic Coatings
- 07 50 00 Membrane Roofing

1.0 RECOGNITION

The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems described in IAPMO UES ER-517, the California Supplement to IAPMO UES ER-517, and this supplemental report have been evaluated for use as walking deck and roof covering systems. The durability, impact resistance, weather resistance, wind uplift resistance, roof fire classification, and fire-resistance-rating properties of the Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems were evaluated for compliance with the following codes:

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

2.0 LIMITATIONS

Use of The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems recognized in this supplement are subject to the following limitations:

2.1 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems shall comply with the provisions in the California Supplement applicable to the 2022 CBC for use under the 2023 LABC.

2.2 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems may be used as Class A roof covering systems in accordance with Sections 1505.2 of the 2023 LABC or R902.1 of the 2023 LARC.

2.3 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems shall be installed on slopes not less than ¼ inch per foot (2-percent slope).

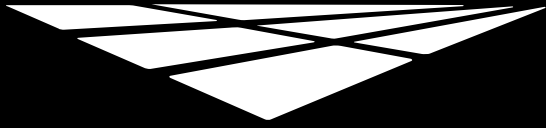
2.4 The supporting structure shall be designed to support the loads and is beyond the scope of this report.

2.5 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems shall have a minimum substrate of ⁵/₈-inch-thick exterior-grade plywood.

2.6 The Westcoat Shur Deck, Shur Deck Pro, Shur Deck Over Concrete, and Mer-Ko Systems shall comply with the LADBS Information Bulletin P/BC 2020-016 (Dwellings in High Wind Velocity Areas (HWA)).

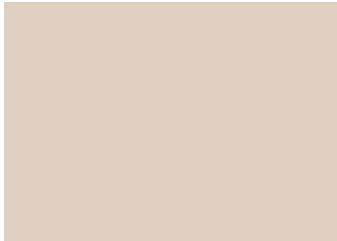
2.7 This supplement expires concurrently with IAPMO UES ER-517.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org

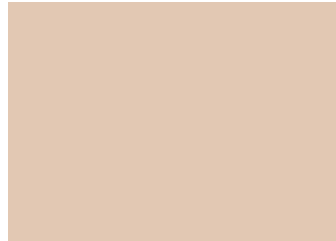


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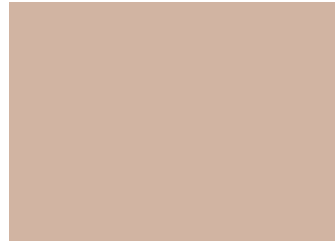
COLOR CHART



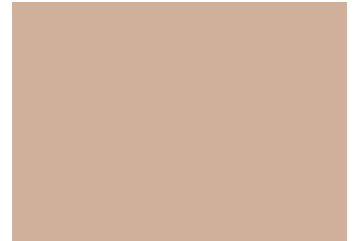
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Travatan | 40



Arizona Tan | 82



Sandy Beige | 78



Sand | 11



Omaha Tan | 53



Spanish Brown | 43



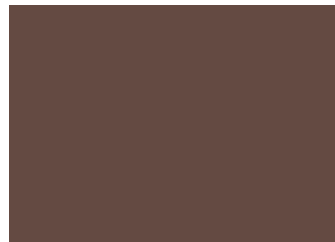
Deep Tan | 27



Cashew | 79



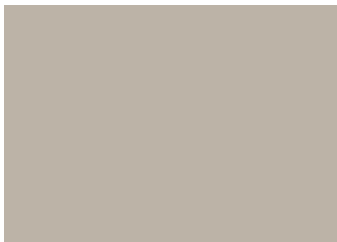
Rosewood | 77



Espresso | 74



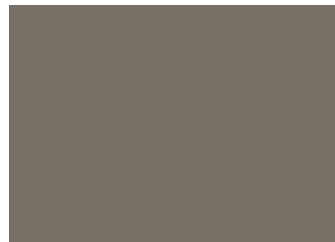
Mission Red | 76



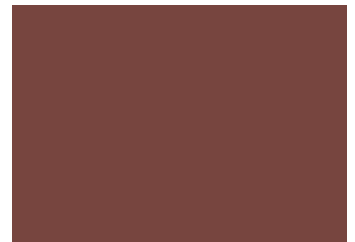
Concrete Gray | 52



Rocky Nook | 26



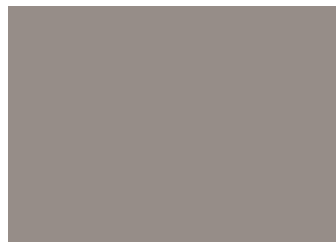
Pewter Gray | 12



Tile Red | 34



Cape Cod Gray | 41



Anchor Gray | 80



Stone Gray | 42



Slate Blue | 14

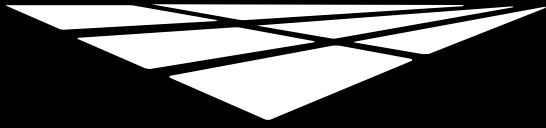
Black and White also available. See SC-10 Topcoat color chart online for more information, colors and lead time.



CAUTION:

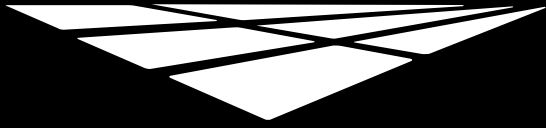
Color will vary between products and sheens. This chart is for reference only. Please request an actual color sample or apply sample on site before beginning any project.





westcoat®

SAMPLE WARRANTY



westcoat®

GENERAL MAINTENANCE



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.

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EXTERIOR COATINGS

Maintenance and Inspections

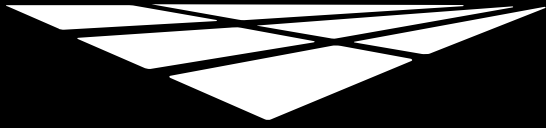
All exterior coating systems should be periodically inspected and regularly maintained by a Westcoat Qualified Contractor Applicator (QCA). Inspections are required one year after installation and every two years thereafter by a factory authorized representative. After 3-5 years, a "reseal" (thorough 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 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.

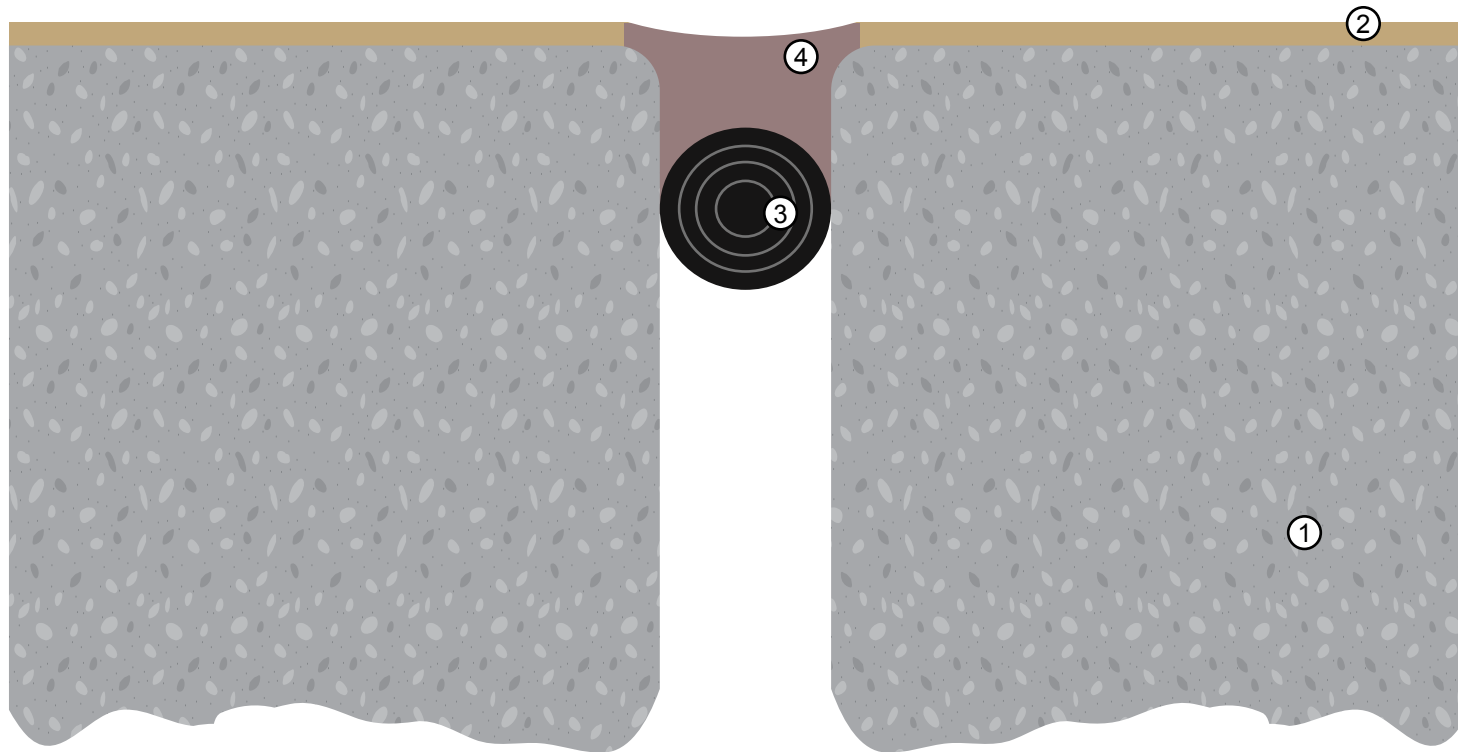
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ARCHITECTURAL DETAILS



KEYNOTES

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

ER-517

- 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.

All details are for reference only and should be evaluated by architect. These details are not a substitute for specifications, plans or evaluation reports. Architect, consultant or similar professional should review prior to major waterproofing applications.

REV. 5/15/25 TC

SHUR DECK OVER CONCRETE - EXPANSION JOINT DETAIL

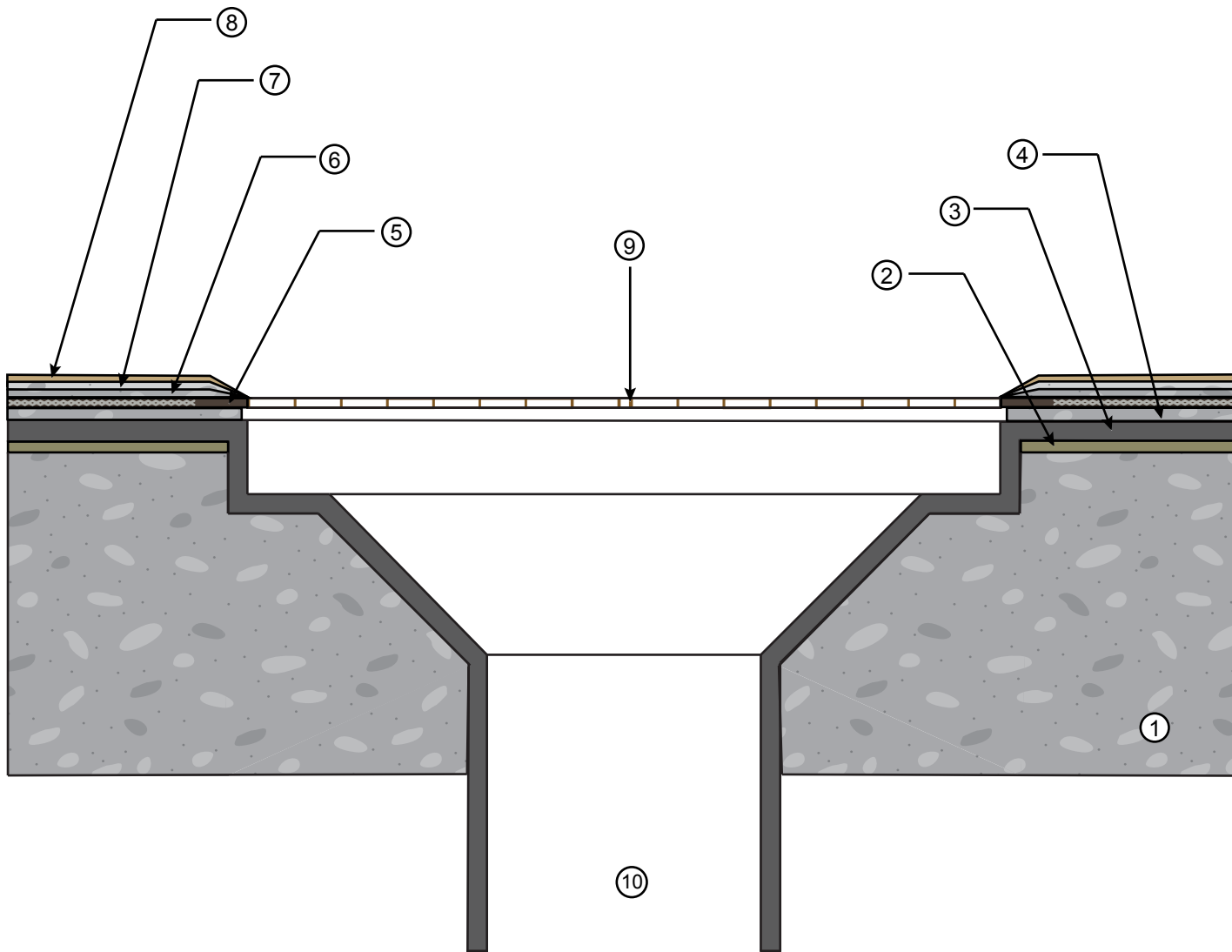
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KEYNOTES

- ① Concrete Substrate (by others)
- ② EC-72 Epoxy Patch Gel
- ③ Drain Flange (By Others)
- ④ Base Coat
- ⑤ WP-95 Waterproofing Membrane & Fabric
- ⑥ Body Coat
- ⑦ Texture Coat (Optional)
- ⑧ SC-10 Topcoat
- ⑨ Bronze Grate (By Others)
- ⑩ 2 or 3" outlet (By Others)

IAMPO ER-517

- 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.

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Drain by Thunderbird Products
(800) 658-2473

REV. 5/12/25 TC

SHUR DECK OVER CONCRETE - DRAIN FLASHING

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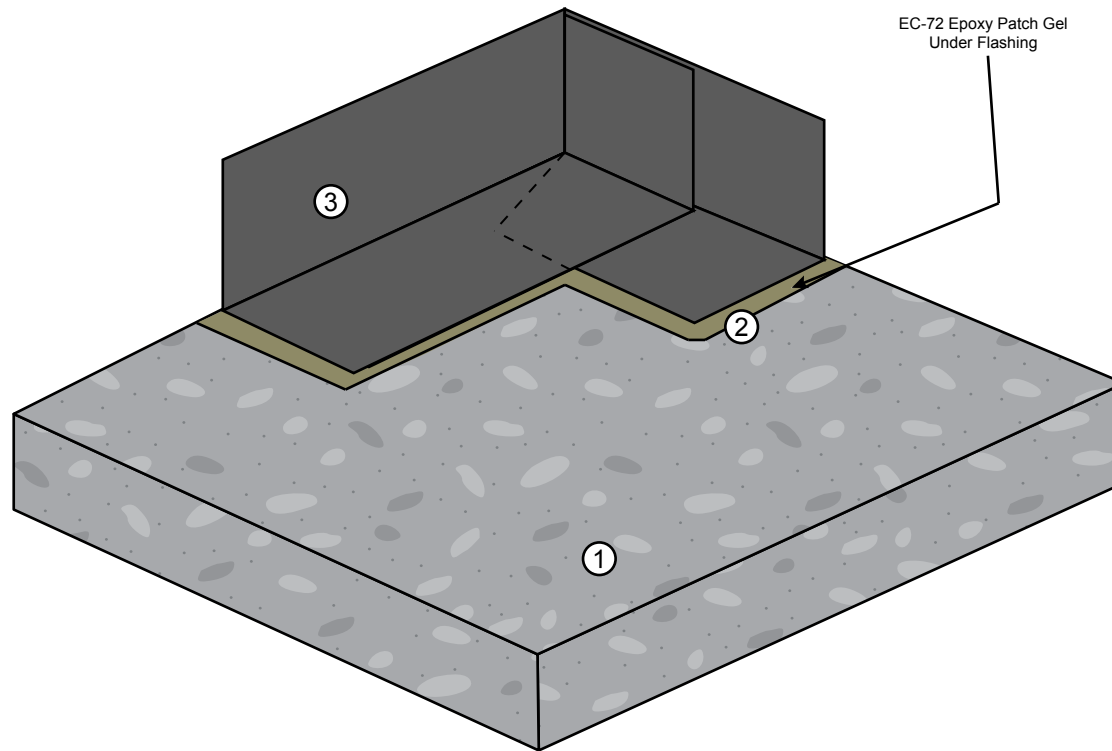
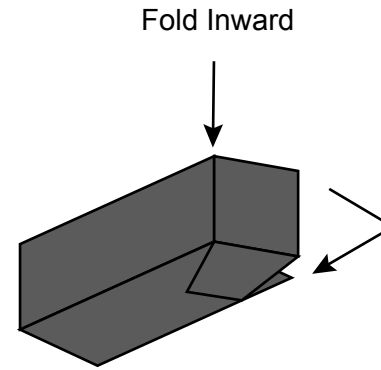
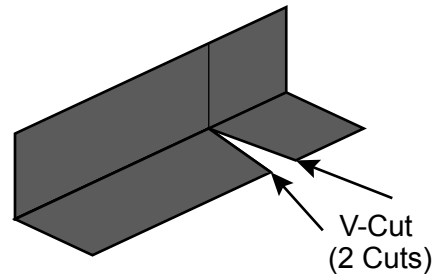
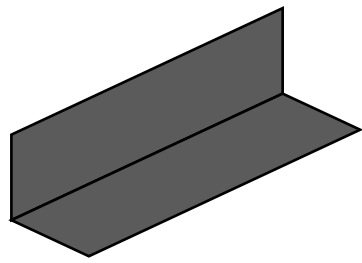
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Site Built Piece



KEYNOTES

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

IAPMO ER-517

- 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.

All details are for reference only and should be evaluated by architect. These details are not a substitute for specifications, plans or evaluation reports. Architect, consultant or similar professional should be review prior to major waterproofing applications.

REV. 9/2/25 TC

SHUR DECK OVER CONCRETE - INSIDE CORNER FLASHING

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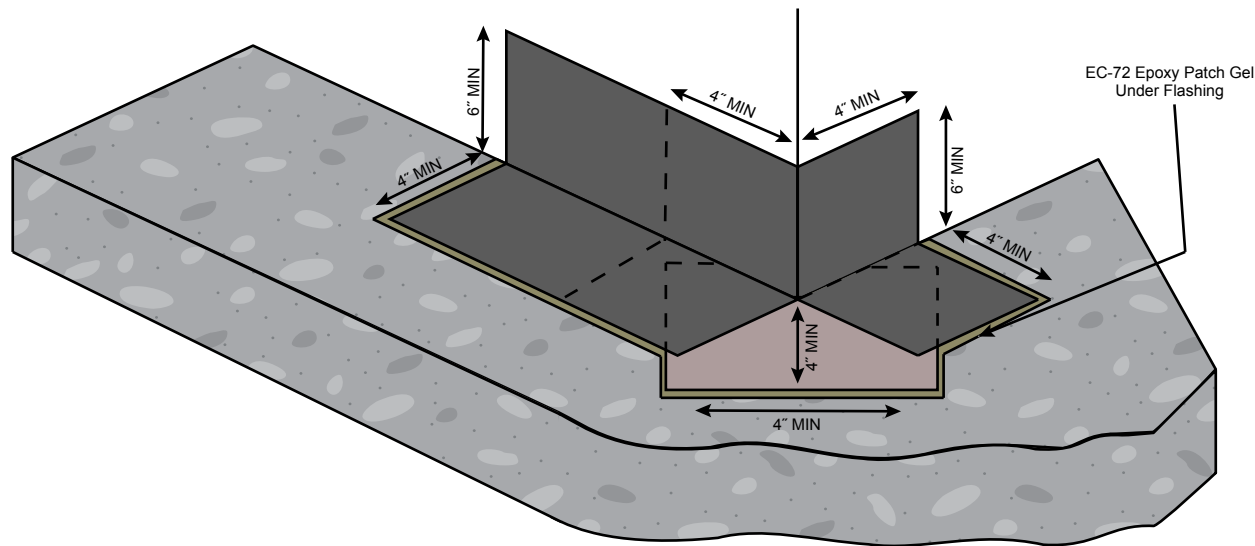
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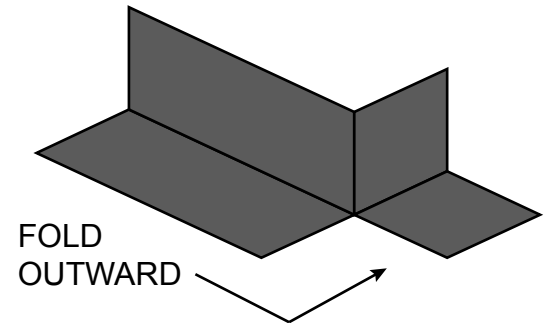
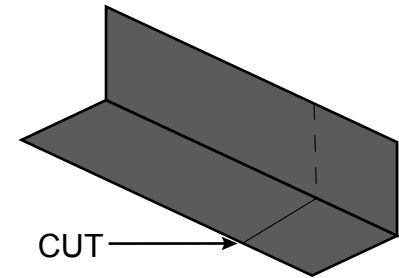
Notes:

- 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.

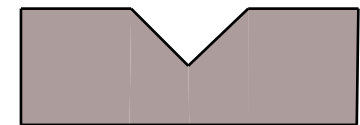
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FIRST PIECE



SECOND PIECE



REV.9/2/25 TC

SHUR DECK OVER CONCRETE - OUTSIDE CORNER FLASHING WRAPAROUND

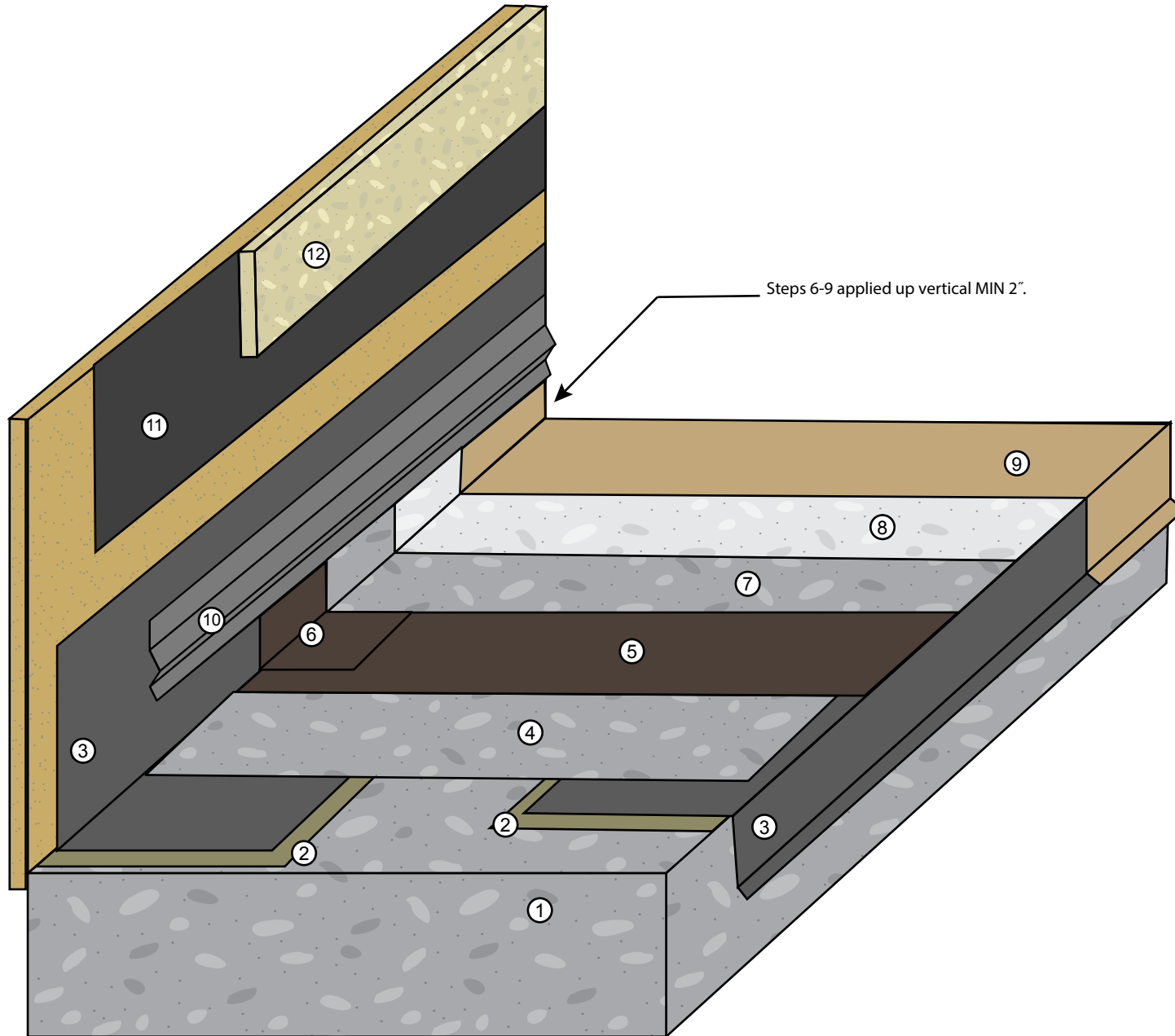
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KEYNOTES

- ① Concrete Substrate (by others)
- ② EC-72 Epoxy Patch Gel
- ③ 26 Gauge Bonderized Sheet Metal
- ④ Base Coat
- ⑤ WP-95 and Fabric (Deck)
- ⑥ WP-95 and Fabric (Flashing)
- ⑦ Slurry Coat
- ⑧ Optional Texture Coat
- ⑨ SC-10 Topcoat
- ⑩ Continuous drip screed (by others)
- ⑪ Building Paper (by others)
- ⑫ Wall Finish (by others)

IAMPO ER-517

- 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.

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REV.8/21/25 TC

SHUR DECK OVER CONCRETE - OVERVIEW

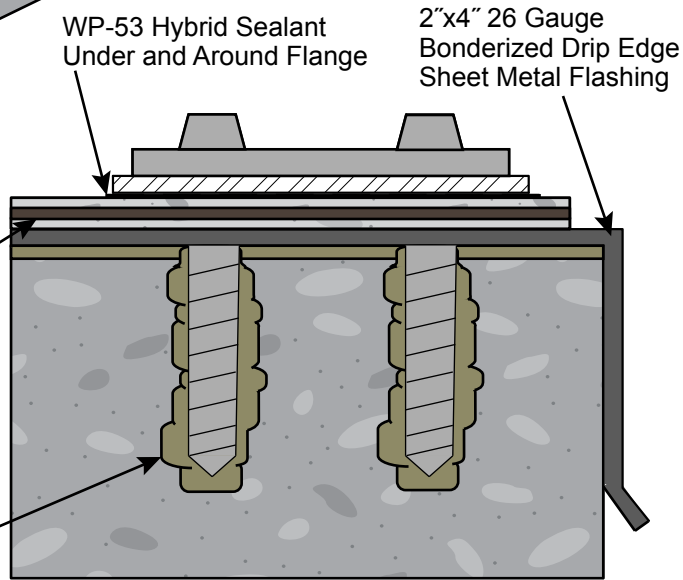
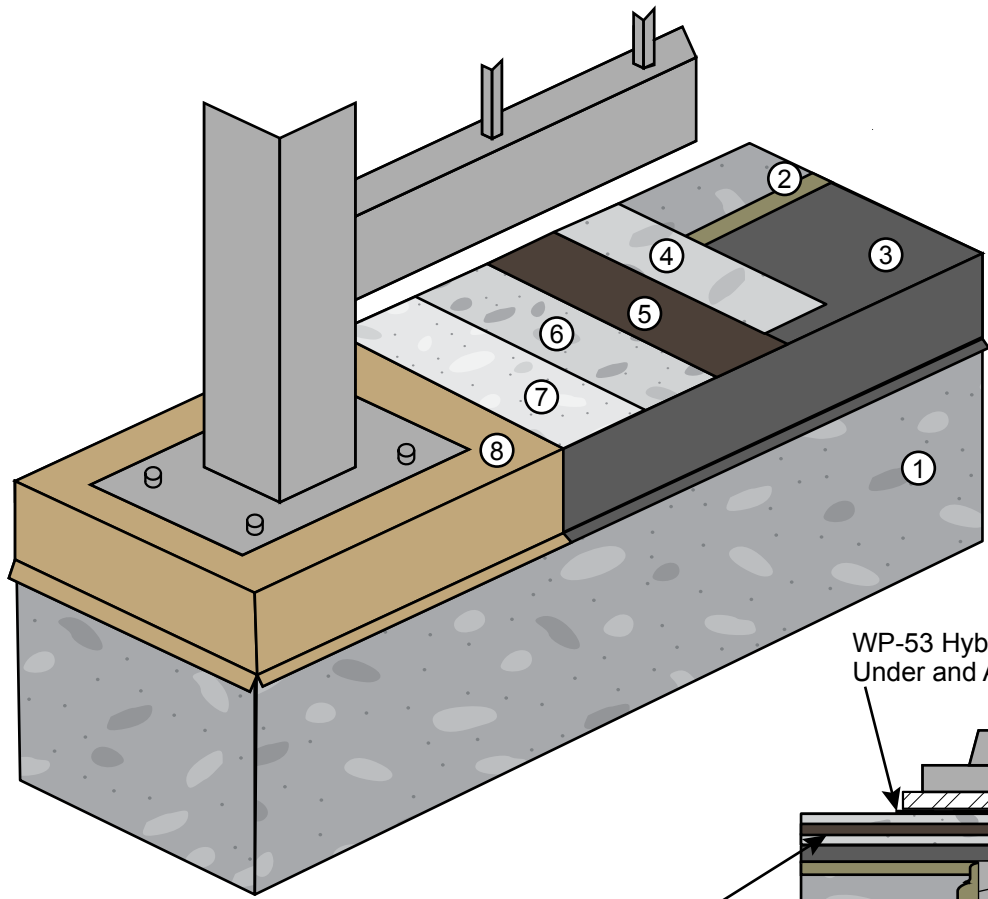
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SIDE PROFILE

KEYNOTES

- ① Concrete Substrate
- ② EC-72 Epoxy Patch Gel
- ③ Bonderized Metal Flashing
- ④ Base Coat
- ⑤ WP-95 and Fabric
- ⑥ Body Coat
- ⑦ Texture Coat (Optional)
- ⑧ Topcoat

IAMPO ER-517

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.

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REV. 8/25/25 TC

SHUR DECK OVER CONCRETE SYSTEM - TOP MOUNT RAILING

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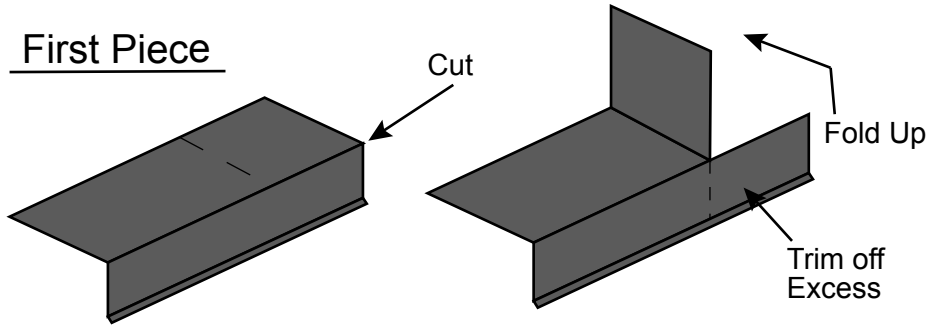
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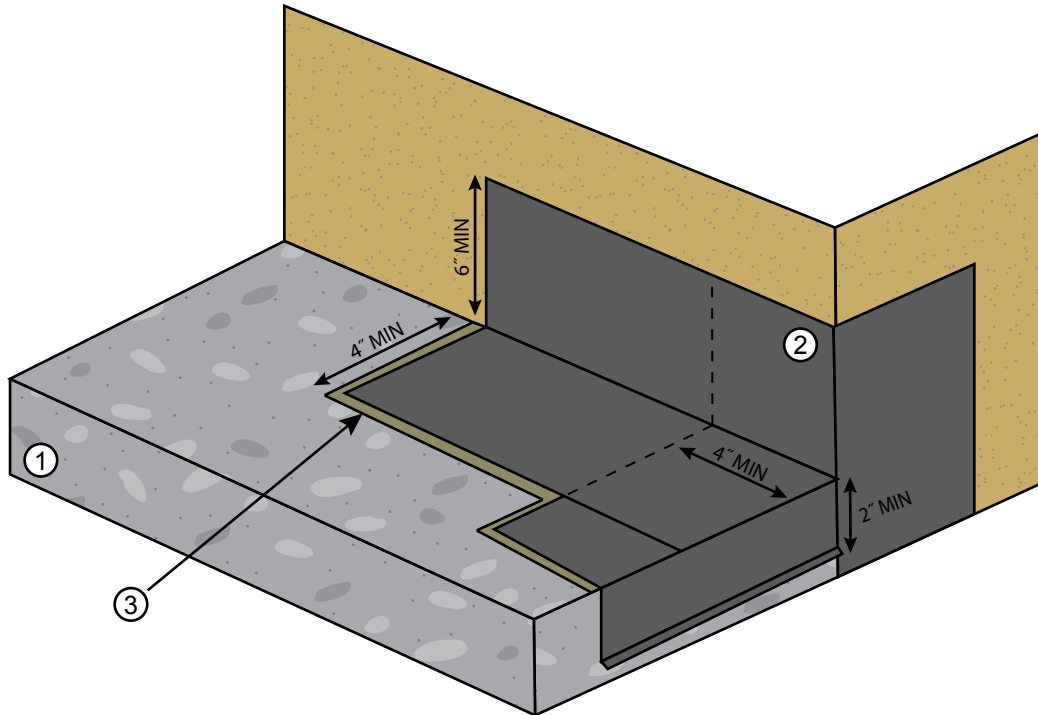
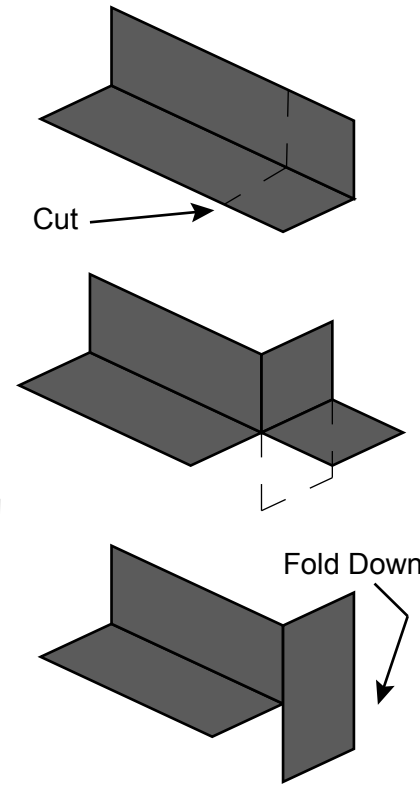
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First Piece



Second Piece



KEYNOTES

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

IAPMO ER-517

- 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.

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REV. 9/2/25 TC

SHUR DECK OVER CONCRETE
OUTSIDE CORNER FLASHING DECK TERMINATION DETAIL

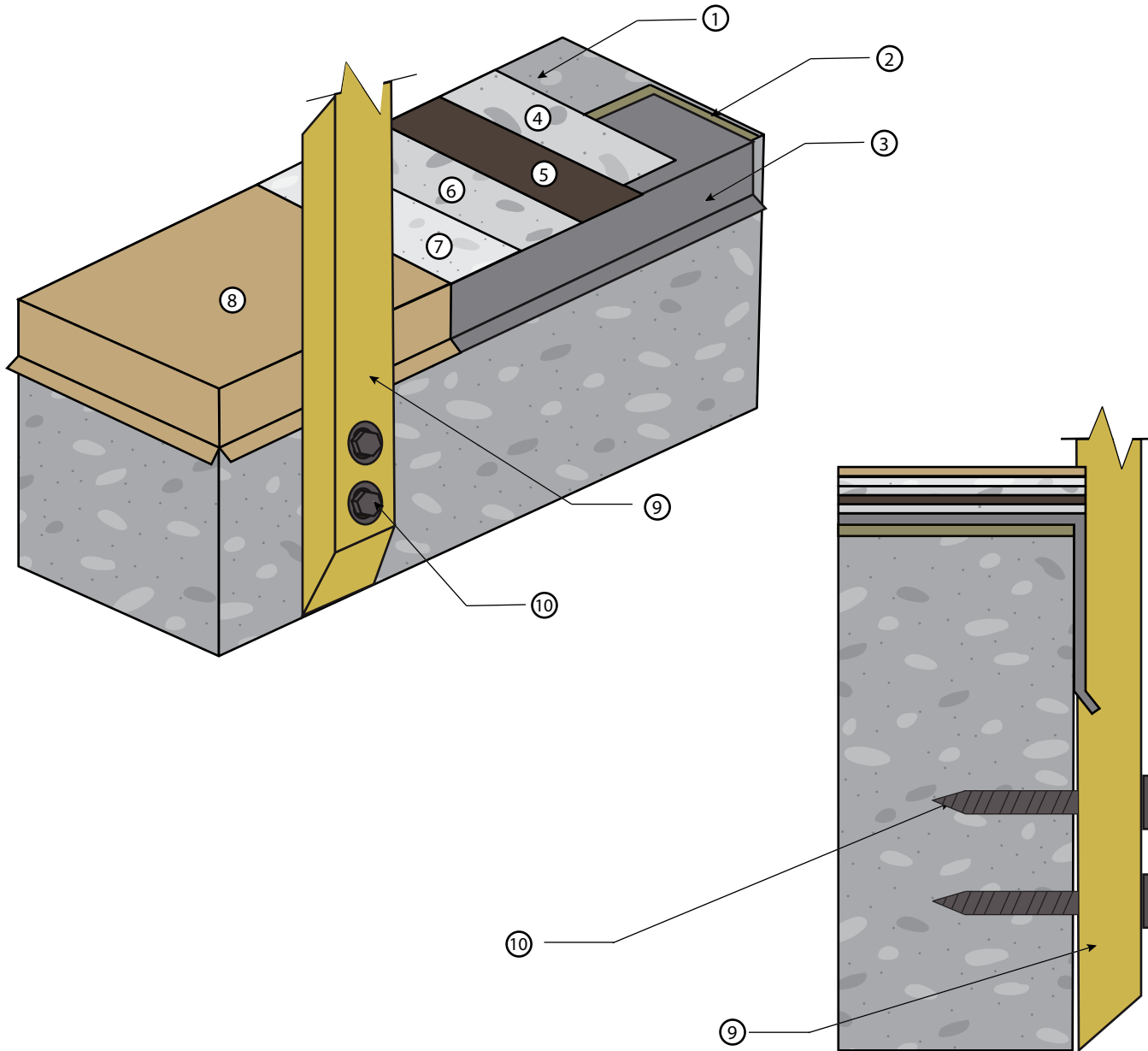
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KEYNOTES

- ① Concrete
- ② EC-72 Epoxy Patch Gel
- ③ Drip Edge Flashing
- ④ Base Coat
- ⑤ WP-95 and Fabric
- ⑥ Body Coat
- ⑦ Texture Coat (Optional)
- ⑧ Topcoat
- ⑨ Side Mount Railing (By Other)
- ⑩ Hardware (By Other)

IAPMO ER - 517

- 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.

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SHUR DECK OVER CONCRETE SYSTEM - SIDE MOUNT RAILING

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