EVALUATION REPORT Number: 517

Originally Issued: 07/28/2017 Revised: 08/12/2025 Valid Through: 07/31/2026

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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.

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 ft^2 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 ft^2 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 ft^2 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 ft^2 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 ft^2 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 ft^2 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 ft^2 per mix, and the second coat is applied at the same rate (80-90 ft^2 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 ft^2 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 ft^2 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 ft^2 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 ft^2 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 ¼-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 ¼ 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 ft^2. 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 ft^2 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 oft the WP-95 in this application is 45-50 ft^2 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 ft^2 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 ft^2 per mix, and the second coat is applied at the same rate (80-90 ft^2 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 ft^2 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 ft^2 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 ft^2 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 40ºF to 100ºF.

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 40ºF 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 40ºF to 100ºF.

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 ⅝ 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-48Westcoat 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 ⅝ 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 40ºF to 100ºF.

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 co-polymer 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 40ºF to 100ºF.

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 40ºF to 100ºF.

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 40ºF to 100ºF.

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 40ºF to 100ºF.

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 40ºF to 100ºF.

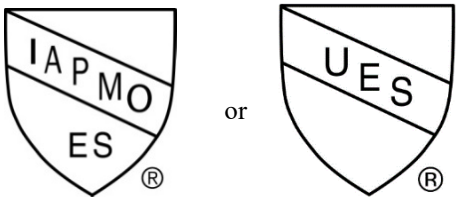
j) Plywood: Plywood, with an exterior bond classification, conforming to DOC PS-1 or DOC PS-2, shall be a minimum of ⅝ inch thick.

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

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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.

CITY OF LOS ANGELES SUPPLEMENT

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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:

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- 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