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

CSI Sections:
07 18 13 Pedestrian Traffic Coatings
07 30 05 Roofing Felt and Underlayment

1.0 RECOGNITION

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

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

2.0 LIMITATIONS

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

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

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

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

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

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

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

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

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

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

3.0 PRODUCT USE

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

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

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

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

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

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

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

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

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

3.5 Installation:

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

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

The system shall be applied where an ambient and surface temperature range of 50°F to 90°F is available for 24 hours. Materials shall not be applied when subject to wet weather. Substrates and all coating surfaces shall be structurally sound, clean, and dry. The minimum finished deck slope shall be ¼ inch per 1 foot (2-percent slope). Additional installation details are shown in Table 1 of this report.

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

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

d) Metal Lath: The WP-25 Metal Lath complying with Section 4.1.2 (i) of this report is applied perpendicular to plywood sheets. Metal lath shall be installed over metal flashing, stopping at least ½-inch from all deck edges or vertical juncture. The lath seams shall be staggered a minimum of 2 inches from any parallel plywood joints. Lath shall be lapped 1 to 2 inches at seams and stapled to the plywood every 1 to 2 inches. A minimum of 16 WP-10 Staples, complying with Section 4.1.2 (j) of this report, per square foot, are required to attach the lath to the plywood substrate.

e) Base Coat: The base coat mixture consists of one 50-pound bag of TC-1 Basecoat Cement complying with Section 4.1.2 (a), combined with 1¼ gallons of WP-81 Cement Modifier and up to 1 quart of water. This mixture yields a total of 4½ gallons and shall be troweled over the horizontal metal lath surface at a rate of 40 ft^2 per mix, to a minimum 0.142 inch thickness. Prior to the application of the slurry coat, the base coat shall be allowed to cure firm.

f) Slurry Coat: The slurry coat is prepared by mixing one bag of TC-1 Basecoat Cement complying with Section 4.1.2 (a) of this report, 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. The mixture shall be troweled over the cured base coat at a rate of 100 to 150 ft^2 per mix, to a minimum of 0.063 inch thickness, and allowed to cure.

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

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

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

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

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

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

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

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

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

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

3.5.5 MACoat System™:

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

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

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

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

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

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

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

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

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

4.0 PRODUCT DESCRIPTION

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

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

4.1.2 Components:

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

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

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

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

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

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

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

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

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

j) WP-10 Staples: The staples shall comply with ASTM F1667 and shall have a minimum ⅝ inch long leg, a minimum 1-inch crown, and be formed from hot-dip galvanized, minimum No. 16 gauge.

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

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

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

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

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

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

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

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

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

4.2 MACoat System™

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

4.2.2 Components:

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

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

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

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

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

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

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

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

5.0 IDENTIFICATION

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

IAPMO UES ER-587

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with ICC-ES AC39.

6.2 Data in accordance with the ICC-ES AC48.

6.3 Data in accordance with the ICC-ES AC188.

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

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

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Westcoat ALX Standard, ALX Custom, ALX Pro Standard, ALX Pro Custom, and MACoat Systems to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.9 of this report under a quality control program with periodic inspections under the supervision of IAPMO UES.

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

TABLE 1: ALX SYSTEMS INSTALLATION DETAILS

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

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

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

Deck Slope: All systems require ¼ : 12

Minimum Base Coat Thickness: $^{9}/_{64}$-inch for all systems.

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

TABLE 2: MACOAT SYSTEM INSTALLATION DETAILS

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

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

Deck Slope: All systems require ¼:12

Min Base Coat Thickness: 0.057 inch

CALIFORNIA SUPPLEMENT

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

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1.0 RECOGNITION

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

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

2.0 LIMITATIONS

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

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

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

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

2.4 This supplement expires concurrently with ER-587.

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

CITY OF LOS ANGELES SUPPLEMENT

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

CSI Sections:

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

1.0 RECOGNITION

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

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

2.0 LIMITATIONS

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

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

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

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

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

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

2.6 This supplement expires concurrently with ER-587.