



WP

WATERPROOF
RELIABLE MOISTURE BARRIERS

ALX™

Standard

Description

Westcoat ALX Standard is a waterproof walking deck system. It is reinforced with metal lath and is installed with a series of three separate polymer-modified cementitious applications, and sealed with Westcoat's SC-10 Acrylic Topcoat. The finished product weighs approximately 2½ lbs per square foot. This system gives plywood the look and feel of concrete with a decorative appeal.

Uses

ALX is designed for use on plywood. It is recommended for the discriminating architect, contractor or building owner that demands the finest in design, strength and durability. ALX is ideal for areas with heavy traffic or in cases where elimination of the appearance of plywood seams is essential. ALX has been designed for balconies, corridors, stairs and landings. It is regularly specified for hotels, condominiums, apartments and office buildings. ALX can be stapled through most old deck systems to provide an excellent method for the rehabilitation of problem surfaces.

Advantages

- ICC Evaluated ESR-2201
- Meets Class A Fire Test ASTM E-108
- Meets One-Hour Fire Rating ASTM E-119
- City of LA Approval RR 25986
- Fast Access After Installation
- Available Manufacturer's Warranty
- Excellent Sound Reduction Qualities
- Tough Final Coat is UV Resistant
- Covers Rough Plywood and Seams
- Safe Skid Resistant Textured Finish
- Decorative Finishes Available
- Unmatched Strength and Durability



Packaging

- WP-26 Flashing
- WP-10 Staples
- WP-25 Metal Lath (2½ ft. x 8 ft. each, hot dipped galvanized metal lath 2.5 lbs per sq yard)
- WP-40 Sheet Membrane (6"x75', 12"x75', 36"x75')
- WP-51 Polyurethane Sealant (10.3 oz. tubes)
- WP-81 Cement Modifier (1 and 5 gallon pails)
- SC-10 Acrylic Topcoat (1 and 5 gallon pails)
- TC-1 Basecoat Cement (50 lb. bags)
- TC-3 Medium Texture Cement (50 lb. bags)

INSPECTION / PREPARATION

Inspection

For installation of the ALX system, plywood must be minimum 5/8 inch (3/4 inch preferred) CDX or exterior grade. Slope must be a minimum of 1/4 inch per linear foot and shall provide for proper drainage. Decks should meet local building codes. The deck shall be tongue and groove, properly blocked and nailed (glued and screwed is best). Plywood shall have a maximum joist span of 16 inches. Deflection should be less than L/360. OSB is not a suitable substrate for this material.

Preparation

Be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion. Do not apply to wet plywood.

APPLICATION

Sheet Membrane

Westcoat requires the installation of 6 inch WP-40 Sheet Membrane to all plywood seams for reinforcement. WP-40 may also be installed behind or on top of the flashing as a backup waterproofing measure. WP-40 may not be left exposed to the sun for more than 7 days. See Sheet Membrane Product Specification Sheet.

Flashing

Westcoat requires a minimum of 26-gauge bonderized sheet metal. Use 4 x 4 inch 'L' flashing at the junction of the wall and deck. Use 2 x 4 inch drip edge flashing for fascia edge. Overlap all ends at least four inches. Apply two beads of WP-51 Polyurethane Sealant to all seams. Nail flashing every 4-6 inches. (Note: If the flashing is not bonderized, it must be etched in order for the coating to adhere properly).

Metal Lath

Place the WP-25 Metal Lath on the plywood and cut it to fit the area making sure the edge of the lath is offset two inches from any parallel plywood seams. The lath should run across the grain of the plywood (across the long seams) when possible. The lath has a grain and it should be placed so that it curves down at the edge of the deck. The lath should be held back ½ inch from all deck edges. This will allow the coating material to be feathered with a brush. With the lath in place, start in the center working your way out, stapling the lath using 16-20 staples per square foot (minimum 1 inch crown x 5/8 inch long, 16-gauge non-corrosive Senco P10). Overlap the lath 1-2 inches and staple every 1-2 inches along the seam. With a hammer, pound down any seams or staples that are higher than the lath.

Base Coat

Combine one bag of TC-1 Basecoat Cement into 1¼ gallons of WP-81 Cement Modifier and add up to one quart of water. Mix until uniform with a mechanical mixer at a low rpm. Pour the mixture (4 ½ gallons total) onto the lath and with trowel on edge smooth to the top of the lath at the rate of 40 square feet per batch. Use a paintbrush to spread the base coat on the flashing making sure to get the mixture into and corners. Using a brush wet with water, feather all outside edges. Tap the deck with a hammer to help in smoothing out trowel ridges. As soon as it is dry, usually 1 to 2 hours at 70 degrees, scrape off any high spots or ridges that may prevent a smooth slurry coat.

Slurry Coat

Combine the slurry coat by combining one bag of TC-1 Basecoat Cement with one gallon of WP-81 Cement Modifier and up to ½ gallon of water. Mix until uniform with a mechanical mixer at a low rpm. Trowel the slurry mix over the surface to achieve a smooth finish. Coverage of the slurry coat is between 100-150 square feet per batch. Using a brush, wet with water, feather all outside edges. After surface is dry (usually 30 minutes to 2 hour at 70°F), scrape or grind off any ridges or trowel marks.

Texture Coat

Combine one bag of TC-3 Medium Texture Cement with

one gallon of WP-81 Cement Modifier and mix thoroughly with a mechanical mixer at a low rpm. Add up to ½ gallon of water to achieve the desired consistency. Using an acoustical hopper gun, spray the texture onto the deck with a circular motion to achieve approximately 70% coverage at a rate of about 150 to 200 square feet per batch. Spray continuously, do not stop in the middle of the deck. After a few moments depending on the temperature, the texture must be “knocked down”. Use a rounded pool trowel for best results. Wipe the trowel clean with a wet rag as needed. For an Orange Peel Texture, increase the air pressure and reduce the hole size on the hopper gun. Spray texture evenly at an 80% to 90% coverage rate. If you are unsatisfied with the results, immediately scrape off and re-spray. After the texture has dried (30 minutes to 1 hour at 70°F) lightly scrape any trowel marks and sweep or blow the surface prior to sealing.

Topcoat

Mix all containers of SC-10 Acrylic Topcoat to ensure a consistent color. The material may be thinned by adding up to a maximum of one quart of water per gallon to avoid streaks, (especially in hot weather). Roll two thin applications of SC-10 using a ¼ inch roller at a rate of 200-300 square feet per gallon. Roll the material in two directions to achieve a uniform finish. Coverage will vary according to texture. For small areas or in locations with cool temperatures, one coat of SC-10 may be applied at 125 square feet per gallon.

For best results, allow SC-10 4-6 hours drying time at 70°F 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.

Optional Materials

- WP-40 36 inch can be installed to the entire deck when maximum protection is required. Note: When WP-40 is installed over the entire deck, the system does not meet the One Hour Fire Rating.

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.

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 ALX System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure. Contact the original installer of Westcoat for complete recoating 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.

LIMITATIONS

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- Rain will wash away uncured Westcoat acrylic products.
- If inclement weather threatens, cover deck to protect new application.
- Sealers will make the surface slippery, please be aware the texture of the surface and how the sealer will affect the look, feel, and skid resistance.
- Approval and verification of proposed colors, textures, and slip resistance is recommended.
- Do not allow Westcoat product to freeze.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT

OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.

TEST DATA

Test	ALX Standard WP-40 On Seams	ALX Standard WP-40 Full Coverage
Accelerated Aging ASTM D-756	Pass	Pass
Fire-Retardent Roof Covering ASTM E-108	Class A	Class A
One-Hour Fire Test ASTM E-119	Pass	--
Bond Strength (Control) ASTM C-297	143 psi	Pass
Bond Strength (Accel. Aging) ASTM C-297	Pass	Pass
Bond Strength (Freeze-Thaw) ASTM C-297	Pass	Pass
Abrasion ASTM D-1242	.023 inches	.023 inches
Water Absorption ASTM D-570	7.5%	7.5%
Chemical Resistance ASTM D-2299	Pass	Pass
Freeze-Thaw ASTM C-67	.5%	.5%
Concentrated Load AC-39 Section 4.12	Pass	Pass
Wind Uplift FM I-52	Pass	Pass
Impact Resistance ASTM D-3746	Pass	Pass



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