



Description

ALX Custom Finish is a waterproof walking deck system. It is reinforced with metal lath and is installed with a series of four to five separate polymer-modified cementitious applications, and sealed with one of Westcoat's clear sealers. The finished product weighs approximately 2½ lbs per square foot. The ALX Custom Finish gives plywood the look and feel of slate, flagstone or tile.

Uses

The ALX Custom Finish 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. The ALX Custom Finish is ideal for areas with heavy traffic or in cases where elimination of plywood seams is essential. The ALX Custom Finish has been designed for balconies, corridors, stairs, and landings. It is regularly specified for hotels, condominiums, apartments, and office buildings. The ALX Custom Finish 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 #E108
- Unmatched Strength and Durability

- 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
- Cost-effective

Packaging

- WP-25 Metal Lath (2½ ft. x 8 ft. each, hot dipped galvanized metal lath 2.5 lbs per sq yard)
- WP-26 Flashing
- WP-10 Staples
- 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)
- TC-1 Basecoat Cement (50 lb. bags)
- TC-5 Grout Texture Cement (50 lb. bags)
- TC-2 Smooth Texture Cement (50 lb. bags)
- TC-40 Liquid Colorant (10 oz. bottles)
- SC-35X Water-Based Stain (1 and 5 gallon pails)
- SC-70 Acrylic Lacquer Sealer (1 and 5 gallon pails)

Optional Materials

- CA-60 Grout Tape (¼ to 2 inch widths)

INSPECTION / PREPARATION

Inspection

For installation of the ALX Custom Finish system, plywood must be minimum 5/8 inch (¾ inch preferred) CDX or exterior grade. Slope must be a minimum of ¼ inch per lineal foot. Decks should meet local building codes. The deck should 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 recognized as a suitable substrate.

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 can be installed to the entire deck when maximum protection is required. 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 4 inches. Apply 2 beads of WP-51 Polyurethane Sealant to all seams. Nail flashing every 4 to 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, et 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 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 1 hour at 70°F), scrape or grind off any ridges or trowel marks.

Slurry Coat Grout Coat

Mix the TC-5 Grout Texture Cement with TC-40 Liquid Colorant of choice, into 1 gallon of WP-81 Cement Modifier, and up to ½ gallon of water. Mix thoroughly with a low rpm drill motor. Coverage of the slurry coat is between 150-200 square feet per batch. For Best results allow slurry to dry over night, prior to pattern installation

Pattern Installation (Optional)

For a flagstone look, peel the CA-50 Stone Strips and apply to the grout coat in a simulated flagstone pattern. Take time to lay out the pattern and inspect for consistency prior to application of the texture coat. If the pattern is not desirable remove and apply new Stone Strips.

Tile patterns can be achieved by applying, CA-60 Grout Tape in a tile pattern. The tile size and the grout line size can be varied from job to job, to give each installation

a custom look. The best way to achieve a straight line is to pre-measure tile size and mark your lines using a chalk box with white chalk. Place your Grout Tape on the outside edge of the chalk line so the chalk line will be covered by the texture.

Texture Skip Trowel

Combine one bag of TC-2 Smooth Texture Cement into one gallon of WP-81 Cement Modifier. Mix thoroughly with a low rpm drill motor. Add desired TC-40 Liquid Colorant to the mix. Be sure to carefully rinse the container to remove all the colorant. Add up to ½ gallon of water to achieve the desired consistency. Make sure to use the exact same amount of water and colorant for each mix and combine completely to maintain consistent color and texture.

Pour the mix onto the surface to be textured. Using a skip trowel method, trowel the area with a rounded pool trowel. Wipe the trowel clean with a wet rag as needed. Trowel consistently and continuously, being sure to keep a wet edge. Make sure to trowel the entire surface the same way throughout the project. Coverage of the texture coat is between 150-200 square feet per batch. If you are unsatisfied with the results, scrape off immediately and re-apply.

After the texture has hardened enough to walk on, scrape and or slightly sand the surface to even out the look and feel of the texture. A floor buffer with 80-100 grit sand paper is helpful for large areas. Be careful to sand or buff consistently and not to damage the texture. Sweep and wash off the excess cement dust and debris. If a taped pattern was installed using Grout Tape or Stone Strips, you may elect to remove them before you proceed to coloring options. Sweep or wash off the excess cement dust and debris.

WB Stain

Apply SC-35X using a pump sprayer, airless sprayer, HVLP sprayer, brush, or broom. For a mottled effect, use water to predampen the surface before or in conjunction with the stain. Multiple colors and various amounts of water may be applied at the same time for a variegated finish. SC-35X can be applied in multiple coats to achieve a solid color. Water-Based Stain can be thinned using water, up to equal parts. Thinning will affect the depth of color and may require extra coats.

The coverage will vary depending on the surface. Up to 400 sq ft per gallon on a smooth surface and between 150-250 on rough surfaces. Product performs best if applied in thin, even coats. When temperatures are above 80° it may be necessary to dampen the surface prior to application to prevent material from drying instantly.

Sealer

Apply SC-70 Acrylic Lacquer Sealer by spraying, brushing, or rolling with a ½ to ¾ inch nap non-shedding roller cover at the rate of 200-300 square feet per gallon. If rolled, neatly cut-in all edges with a brush and roll the center using a ½ inch to ¾ nap, good quality roller cover.

Be sure to spread evenly in a "V" pattern rolling in both directions. Roll product as thin as possible. If spraying, use Hudson type sprayer after thinning. Thin SC-70 with up to 25% acetone for better absorption, increased coverage, longer working time or when spraying.

For added slip resistance, add up to 1 quart of CA-30 Safe Grip per 5 gallons of sealer. Silica sand may be broadcasted

when extra traction is needed. Quantities may vary. See Product Specification Sheets detailed instructions on these products.

Clean Up

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

MAINTENANCE

Exterior surfaces can be swept daily with water and a broom. For tougher dirt or grease use Westcoat CA-24 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 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.

Solvent based products are extremely flammable, extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

LIMITATIONS

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- Rain will wash away uncured Westcoat acrylic products.
- If inclement weather threatens, cover deck to protect new application.

- 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.



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