



### 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, landings, and interior floors. 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

- Meets 1 Hour Fire Test E119 and Class A #E108
- Meets ICC Criteria for AC39
- Unmatched Strength and Durability
- Fast Access After Installation
- Available Manufacturers Warranty
- Excellent Sound Reduction Qualities
- Tough Final Coat is UV Resistant
- Covers Rough Plywood and Seams
- Safe Skid Resistant Textured Finish

- Decorative Finish
- Optional Fiberlath Reinforcement
- Cost Effective

### Packaging

- WP-18 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-47-3 Fiberlath (3'x150')
- 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)
- WP-26 Flashing
- WP-10 Staples

### Optional Materials

- TC-40 Liquid Colorant (10 oz. bottles)
- TC-2 Smooth Texture Cement (50 lb. bags)
- TC-4 Fine Texture Cement (Smooth for interior only)
- TC-5 Grout Texture Cement
- CA-60 Grout Tape (¼ to 2 inch widths)
- CA-50 Stone Strips
- SC-70 Acrylic Lacquer Sealer (1 and 5 gallon pails)
- SC-41 Hybrid Acrylic Sealer (1 and 5 gallon pails)
- SC-75 Polyurethane Sealer (1 and 5 gallon pails)
- SC-25 Accent Powder (1 gallon pails)
- EC-31 Epoxy Clear Topcoat, Interior Only (1½ and 15 gallon kits)
- EC-95 Polyurethane Topcoat (1 gallon kits)
- EC-100 Polyurea Topcoat (1½ and 15 gallon kits)

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## INSPECTION / PREPARATION

### Inspection

For installation of the ALX Custom Finish system, plywood must be minimum 5/8 inch (¾ inch preferred) CDX exterior grade. Slope must be a minimum of ¼ inch per linear 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.

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## 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 seven 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 WP-51 Polyurethane Sealant to all seams. Nail flashing every four to six inches. (Note: If the flashing is not bonderized, it must be etched in order for the coating to adhere properly.)

## Metal Lath

Place the ALX 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 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 1 ¼ gallons of WP-81 and add up to one quart of water. Mix until uniform with a mechanical mixer at a low rpm. Pour the mixture (4½ gallon 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 the corners. Using a brush, wet with water, feather all outside edges. 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.

## Sloping

Sloping should always be done in the framing. It is the responsibility of the building owner and not the deck coating applicator. If sloping is requested it should be noted on the work order. The applicator along with the manufacturer should not be held responsible for the outcome of this remedial measure to help correct the pre-existing slope condition.

Cricketts (reverse slope to divert water to drain) may be installed and sloping may be done using an additional base coat. Combine ½ gallon of WP-81 Cement Modifier with one bag of TC-1 Basecoat Cement and between ½ and ¾ of a gallon of water. Maximum thickness should be ½ inch and should be applied ¼ inch at a time. Additional lath may be installed prior to base coat to simulate a cricket. Apply no more than 3 sheets at anytime.

When required slope is greater than ½ inch: Combine one bag TC-1 with up to 20 lbs of B-23 Monterey Sand, with ½ gallon of WP-81 and between ½ and ¾ of a gallon of water. Mix in a wheelbarrow, cement mixer or cut batch in ½ and mix in a 5 gallon bucket with a mechanical mixer. Maximum thickness should be 2 inches.

Note: Some shrink cracks may occur. Cracks will be filled when WP-47 Fiberlath, and slurry coat are applied.

## Fiberlath

WP-47 Fiberlath is required over sloped and built up areas or where maximum reinforcement is required. Place WP-47 over the base and roll into place, cutting to fit with two inch overlaps. Trowel the slurry coat (per next paragraph) directly into the WP-47. An additional slurry coat may be required to hide fabric when WP-47 is used. The WP-47 may be laminated to surface with WP-90 Waterproofing Resin, at a rate of 75 to 100 square feet per gallon.

## 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 by combining 1 bag of TC-5 (natural gray grout color), or TC-2 Smooth Textured Cement combined 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. For Best results allow slurry to dry overnight, prior to pattern installation

## Pattern Installation

For a Flagstone look, simply 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, TC-5 Grout Texture Cement, or (TC-4 Fine Texture Cement for interiors), into one gallon of WP-81 Cement Modifier. Mix thoroughly mechanically at a low rpm. 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. 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.

#### Color Wash

Mix the SC-25 Accent Powder in choice of color with four to ten parts of water, and roll on to the texture with a ¾ inch nap roller and work color into the surface using a stiff brush or broom. Continue to broom the SC-25 until most of the water has evaporated or until all broom marks have dissipated. Reapply to darken or accent individual “stones” or “tiles”. Mixed SC-25 must be continuously stirred to avoid settling.

The darkening or accenting can also be achieved by “dry rubbing” the Accent Powder on to the surface with a dry sponge.

#### Coloring Options

- Apply Westcoat SC-35 Water-Based Stain for the unique variegated look of SC-30 Acid Stain, without need to rinse.

- Apply Acid Stain for use where rinsing is not a problem. Please read Product Specification Sheets on all products prior to use.

#### Sealers

- For exterior textures that require the “wet look” apply SC-70 Acrylic Lacquer Sealer.

- For greater chemical, mar and UV resistance, apply the SC-75 Polyurethane Sealer.

- For textures requiring a more natural look, apply SC-41 Water-Based Hybrid Acrylic Sealer.

SC-41, SC-70 and SC-75 may be applied 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. 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 Sheet for thinning and detailed instructions on these products.

(SC-75 not recommended over smooth surfaces)

(SC-41 not recommended over acid stain. Can be used on Texture-Crete Cements.)

#### Interior Topcoats

- EC-31 Epoxy Clear Topcoat for interior textures that require a high build.

- EC-95 Polyurethane Topcoat may be installed over the EC-31 for the ultimate high build, mar and chemical resistant finish.

- EC-100 Polyurea Topcoat may be used as a 5 hour dry time high build mar and chemical resistant finish.

#### 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.

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## MAINTENANCE

The ALX Custom Finish deck should be inspected for wear every 2 years. The deck should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure.

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## LIMITATIONS

- Do not install if the temperature is below 55°F or above 95°F.

- Rain will wash away uncured Westcoat acrylic products.

- If inclement weather threatens, cover deck to protect new application.

- Store material between 40°F-110°F.

- Do not allow any Westcoat products to FREEZE.

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## 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.



**westcoat**

770 Gateway Center Drive San Diego, CA 92102  
800•250•4519 • Fax 619•262•8606 • westcoat.com