



### Description

ALX Under Tile is a process for waterproofing plywood decks to receive tile, stone, or concrete. It is a metal lath reinforced system installed with a series of two separate polymer-modified cementitious applications and is bonded together with a specially formulated acrylic emulsion. The ALX Under Tile incorporates WP-40 Sheet Membrane under the lath as a back up waterproof membrane and reinforcement for plywood seams.

### Uses

The ALX Under Tile system works only on plywood walking decks to receive tile, stone or concrete. It is recommended for the discriminating contractor or building owner who demands the ultimate in waterproofing and durability. ALX Under Tile has been designed for balconies, corridors, stairs, and landings. It is regularly specified for hotels, condominiums, apartments, and office buildings.

### Advantages

- Unmatched Strength and Durability
- Fast Access After Installation
- Available Manufacturers Warranty
- Excellent Sound Reduction Qualities
- Covers Rough Plywood and Seams
- Optional Fiberlath Reinforcement
- Cost Effective

### 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-43 Sheet Membrane Primer
- WP-51 Polyurethane Sealant (10.3 oz. tubes)
- WP-81 Cement Modifier (1 and 5 gallon pails)
- TC-1 Basecoat Cement (50 lb. bags)

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## INSPECTION / PREPARATION

### Inspection

Plywood must be a minimum of 1 inch thick or 2 sheets of at least 5/8 inch CDX or exterior grade plywood. The deck should be tongue and groove when possible, properly blocked and nailed (glued and screwed is best). Add blocking between studs at wall to allow WP-40 to cover up wall behind flashing.

Plywood shall have a maximum joist span of 12 inches. In general deflection shall be minimized, as movement will

crack tile and concrete. Slope must be a minimum of ¼ inch per linear foot. The decks should meet local building codes. Deflection should be less than L/480. 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

WP-40 Sheet Membrane is required on the entire deck for maximum protection. 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 seven days.

### Flashing

Westcoat requires a minimum of 26-gauge bonderized sheet metal. Use 6 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 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 for 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" 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 and add up to one quart of water. Mix until uniform with a low rpm drill motor. 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.

## Slurry Coat

Mix 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 low rpm drill motor. 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), scrape or grind off any ridges or trowel marks.

## Flood Test

Perform flood test with a minimum of 1 inch and a maximum of 3 inches of water for 24 hours. Drains should be plugged and barriers placed to contain the water.

## Optional Materials

- WP-47 Fiberlath can be used over sloped and built up areas or where maximum reinforcement is required. Slurry coat will be troweled directly into the WP-47, an additional slurry coat may be needed to hide the fiberlath.
- WP-90 can be used to laminate the WP-47 to surface at a rate of 75 to 100 square feet per gallon.
- See Product Specification sheets for detailed instructions

## Clean Up

Uncured 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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## 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.

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## 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.
- Do not allow Westcoat product to freeze.

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## 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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