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SYSTEM SPECIFICATION

WP

WATERPROOF
RELIABLE MOISTURE BARRIERS

ALX™ Interior

Custom Finish

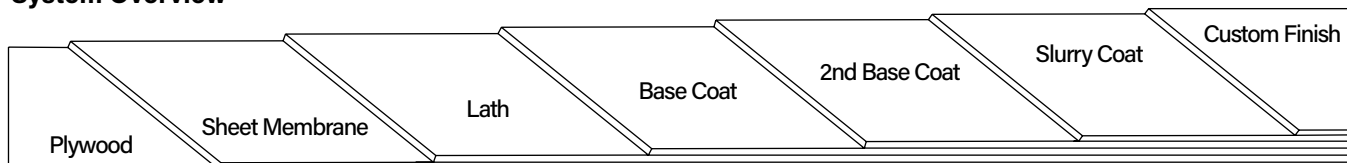
Description

The ALX™ Interior System is a series of polymer modified cementitious coatings that are bonded to plywood, with a variety of optional finishes and sealers. ALX™ Interior is a decorative topping designed to resurface plain plywood subfloor into a decorative, durable, water resistant, concrete like finish.

Uses

The ALX™ Interior System can be used on residential as well as commercial floors. ALX™ Interior is perfect for use in living areas, lobbies, offices, restaurants and hotels or wherever a thin, decorative and durable floor finish is desired over plywood.

System Overview



System Data

Coverages	Base Coat	2nd Base Coat	Slurry Coat	Finish Coat	WB Stain	EC-36 Sealer	SC-65F Sealer
	30-40 ft² per batch	150 ft² per batch	200-250 ft² per batch	250-350 ft² per batch	150-400 ft² per gallon	200-500 ft² per gallon	400-650 ft² per gallon

Components	Shelf Life
WP-25 Metal Lath	N/A
or	
WP-30 Westcoat Glass Lath	5 years
WP-10 Staples	N/A
WP-40 Sheet Membrane	1 year
WP-81 Cement Modifier	2 years
TC-1 Basecoat Cement	1 year
TC-2 Smooth Texture Cement	1 year
TC-4 Fine Texture Cement	1 year
TC-40 Liquid Colorant	1 year
SC-35 Water-Based Stain	2 years
EC-36 100% Solids Epoxy	2 years
SC-65F WB Flat Polyurethane Sealer	1 year
CA-33 Aluminum Oxide #320	N/A

Note: System components may vary, depending on desired result. See "Optional Materials" at the end of this sheet.

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Advantages

Cost-effective • Minimal Downtime • Low Maintenance • Long Lasting • Optional Skid Resistance
 • Unlimited Color Variations • Patterns • Can be Installed Solvent Free and low VOC • Typically under ¼ inch thick • May contribute to LEED credits • Aluminum Oxide Finish

Inspection

For installation of the ALX™ Interior system, plywood must be minimum ¾ inch CDX or exterior grade. For applications over pressure-treated lumber, please contact your Westcoat Representative prior to application. The plywood substrate 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. Moisture vapor commonly collects in areas below a vapor barrier, such as the waterproofing membrane of the deck covering system. Venting must be added to help relieve moisture vapor transmission. Please refer to all local building codes regarding venting requirements.

Preparation

Be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion. "Dry" plywood is typically defined as having less than a 10% moisture reading or by showing no moisture with a plastic sheeting test. Applicator is responsible for ensuring that the substrate is acceptable for application. Do not apply to wet plywood.

Sheet Membrane

Westcoat requires the installation of 6 inch WP-40 Sheet Membrane to all plywood seams for reinforcement. WP-40 can be installed to the entire floor when maximum protection is required. See Sheet Membrane Product Specification Sheet.

Lath

The ALX Interior System can be installed with either WP-25 Metal Lath or WP-30 Westcoat Glass Lath. For maximum protection against corrosion, WP-30 is recommended. Place 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). If using WP-25, the metal lath should be placed so that it curves down at the edge of the deck. If using WP-30, unroll lath and place curl side down.

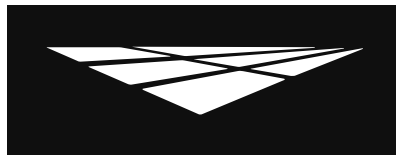
The lath should be held back ½ inch from all edges. This will allow the coating material to be feathered with a brush. With the lath in place, start in the center working your way out, stapling the lath using 16-20 staples per square foot (minimum 1 inch crown x 5/8 inch long, 16-gauge, non-corrosive WP-10). Stainless steel staples should be used for maximum protection against corrosion. 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. When using WP-30, ensure that the lath is secured properly to the plywood. This is especially true at all overlaps and edges. It is recommended that the Base Coat be applied the same day as the lath installation.

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Pour 1 ¼ gallons of WP-81 Cement Modifier and desired water (up to one quart) into a clean mixing bucket and then add one bag of TC-1 Basecoat Cement. Mix until uniform with a mechanical mixer at a low rpm. Pour the mixture (4½ 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 when using WP-25 or 30 square feet per batch when using the WP-30. Trowel and brush the base coat up to the edge of the lath, leaving ½ inch of flashing exposed. For best results, tape off the flashing. Use a paintbrush to spread the base coat into all corners. 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.

A second coat must be applied by combining one gallon of WP-81 Cement Modifier and up to ½ gallon of water with one bag of TC-1 Basecoat Cement. Mix until uniform with a mechanical mixer at a low rpm. Trowel over the first basecoat at a rate of 150 square feet per batch. As soon as it is dry, usually 2 to 3 hours at 70 degrees, scrape off any high spots or ridges that may prevent a smooth slurry coat.

Slurry Coat

Create the slurry coat by combining 1 gallon of WP-81 Cement Modifier and up to ½ gallon of water in a clean mixing bucket then add 1 bag of TC-2 Smooth Texture Cement or TC-4 Fine Texture Cement. Mix until uniform with a mechanical mixer at a low rpm. Trowel the slurry mix over the surface to achieve a smooth finish. Apply the slurry coat, continuously keeping a "wet edge" and blend each new mix into the prior mix. After surface is dry, scrape or grind off any ridges or trowel marks. Coverage of the slurry coat is approximately 200 to 250 square feet per batch. You may sand before and after coats. A second slurry coat may be applied to create a more uniform surface.

Finish Coats

Combine one bag of TC-4 Fine Texture Cement with one gallon of WP-81 Cement Modifier and mix thoroughly with a mechanical mixer at a low rpm. Add ¾ to 1 gallon of water to achieve the desired consistency. Trowel the TC-4 as smooth or textured as desired. After the TC-4 has dried, lightly sand the surface with 120 grit or finer sand paper or sanding screen, to remove all trowel marks, if desired. Vacuum the entire area to remove all dust. Apply a second coat of TC-4 following the directions above. Coverage of the Finish Coat is approximately 250 to 350 square feet per batch.

WB Stain

Apply SC-35 using a pump sprayer, airless sprayer, HVLP sprayer, brush or broom. For a mottled effect, use water to pre-dampen 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-35 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.

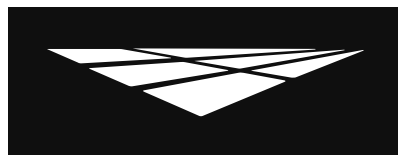
The coverage will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 150-250 square feet on rough surfaces. Product performs best if applied in thin, even coats. When temperatures are above 80 degrees, it may be necessary to dampen the surface prior to application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

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Sealers

Mix 2 parts A and 1 part B (by volume) of EC-36 100% Solids Epoxy.. Mix completely for 4-5 minutes and immediately get the mix onto the floor. Apply EC-36 with a $\frac{3}{8}$ inch, non-shedding, nap roller at 200-500 square feet per gallon. Coverage will vary greatly, depending on desired build. Do not allow material to sit in the mixing bucket. After the EC-36 has dried in about 8-10 hours, you may sand or scrape rough spots and apply a coat of SC-65F Water-Based Flat Polyurethane Sealer, for a low VOC, flat finish sealer (If the SC-65F can't be applied within 24 hours of the EC-36 application, then the EC-36 must be sanded and wiped with acetone, prior to application of the SC-65F).

Pre-mix each component of SC-65F WB Flat Polyurethane Sealer separately. In a clean bucket, mix 3 parts A with 1 part B (by volume) of SC-65F. SC-65F may be thinned up to 10% with potable water. Mix thoroughly with a low speed (200-300 rpm) drill motor for 2-3 minutes. Make sure to scrape the sides and bottom of the container during mixing. For maximum wear resistance, add $\frac{1}{4}$ to $\frac{1}{2}$ pound (~2-4 ounces by volume) CA-33 #320 and mix into activated product. Immediately after mixing, apply the SC-65F onto the substrate at a rate of 400-650 square feet per gallon using a "Dip and Roll" method. Roll with a $\frac{3}{8}$ inch, high-quality, non-shedding roller cover, being sure to maintain a wet edge. SC-65F may also be applied with an airless sprayer. For best results, two coats are recommended. To ensure an even finish, they must be applied within 24 hours or the cured material must be sanded and wiped with acetone, before application.

Optional Materials

Cement Options

- TC-2 may be used in place of the TC-4 as a finish coat, for a one coat system with a slightly more aggressive texture.
- TC-40 Liquid Colorant may be added to integrally color the cement in the finish coat.

Cement Modifier

- WP-82 can be used in place of WP-81 where odor is an issue.

Coloring Options

- For an optional method, use Westcoat SC-37 Nano Stain. Please read Product Specification Sheet prior to use.

Sealer Options

- EC-95G Gloss Polyurethane Topcoat or EC-95F Flat Polyurethane Topcoat may be installed over the EC-36 for the ultimate high build, mar and chemical resistant finish, where odor is not an issue.
- SC-65G WB Gloss Polyurethane Sealer can be applied over the EC-36 for a low odor, solvent free, mar and chemical resistant sealer.
- SC-65SG WB Semi-Gloss Polyurethane Sealer can be applied over the EC-36 for a low odor, solvent free, mar and chemical resistant sealer.
- EC-101 Polyaspartic 100% Solids may be used in lieu of the EC-36 as a high gloss, quick dry, high build, mar and chemical resistant finish.
- EC-102 Polyaspartic may be used in lieu of the EC-36 as a high gloss and quick dry finish.

Skid Resistance

- CA-29 Mini Safe Grip or CA-30 Safe Grip can be added to the final coat of sealer for added skid resistance.
- CA-33 Aluminum Oxide may be added to the topcoats for additional skid and wear resistance.

* Please refer to Product and System Specification Sheets for additional information.

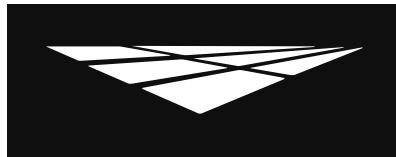
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Clean Up

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

Maintenance

Interior floors can be dust mopped daily or mopped using a neutral PH cleaner. For more information on floor care and maintenance, please refer to the General Maintenance sheet.

The ALX™ Interior 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 re-coating 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.
- 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.
- Use dustless equipment when possible.
- Light wheel and foot traffic only.
- Do not allow Westcoat products to freeze.
- Moisture vapor commonly collects in areas below a vapor barrier, such as the waterproofing membrane of the deck covering system. Venting must be added to help relieve moisture vapor transmission. Please refer to all local building codes regarding venting requirements.

Slip Precaution

Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors will not be responsible for injury incurred during a slip and fall incident. For the current coefficient of friction requirements, please consult your local building codes.

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