westcoat®
SPECIALTY COATING SYSTEMS

PRODUCT SPECIFICATION

WP WATERPROOF
RELIABLE MOISTURE BARRIERS

WP-35 ALX™ Deck Drain

Description
Westcoat WP-35 ALX™ Deck Drain is a high quality, 2 inch no hub, 26 gauge, marine grade 316 stainless steel, bowl deck drain. The drain is approximately 2¾ inches tall and features a 12 inch by 12 inch flange. The ALX™ Deck Drain has a 4 inch bowl and a 4 inch round, bronze grate with over 5.15 square inches of grate free area.

Uses
WP-35 is designed to be used with Westcoat ALX™ and ALX™ Pro Systems.

Advantages
Marine Grade 316 Stainless Steel ▪ 4" Round Bronze Grate ▪ Made in the USA ▪ Easy to Install ▪ WP-35 meets ASME-A112.6.3

Product Data			
Packaging	n/a	**Color**	Stainless Steel with Bronze Grate
Coverages	n/a	**Mix Ratio**	n/a
VOC Content	0 gm/l	**Shelf Life**	Indefinite when stored properly

Inspection
For installation of the ALX™ system, plywood must be minimum ⅝ inch (¾ inch preferred) CDX or exterior grade. Slope must be a minimum of ¼ 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 plywood 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.

The stainless steel flange must be mechanically prepared per industry standards, prior to installation. The 12 inch by 12 inch stainless steel flange should be prepared in accordance with SSPC-SP11 surface preparation standards. Failure to properly prepare the flange, may result in poor adhesion of the ALX™ and ALX™ Pro systems.

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Application - Sheet Membrane
For best results, it is recommended that WP-40 Sheet Membrane be installed underneath the WP-35 ALX™ Deck Drain. WP-43H Sheet Membrane Primer should be used under certain conditions. For detailed instructions see System Specification Sheet for system being installed.

One method of application is to roll out the WP-40 Sheet Membrane with the white side up and measure individual lengths with 2 inch minimum overlap. Pull the material tight from each end and remove the 2½ inch strip of the overlap release film and adhere to the deck. Remove the remaining film and adhere to deck. Overlapping ends a minimum of 6 inches.
Another method is to pull 12 to 24 inches of the release film and position the roll where desired. Adhere the membrane firmly onto the deck. Begin pulling the release film in the opposite direction. The roll will follow as the release film is removed. Smooth the membrane as the adhesive back comes into contact with the deck.

Application - Deck Drain
Place the Deck Drain on top of the Sheet Membrane in desired location. Place the WP-25 Metal Lath on top of the Drain (cutting out an area around the Drain Cap) and entire deck 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 metal lath should be held back 2 inches from all deck edges, leaving 2 inches of flashing exposed. 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 ⅝ 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.

Pour 1¼ 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, leaving a 2 inch gap completely around the Deck Drain Cap. Trowel and brush the base coat up to the metal lath edge, leaving 2 inches 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.

For the ALX™ Standard and ALX™ Custom Systems- Install the Slurry, Texture and Topcoat/Custom Finish right up to the Deck Drain Cap. See ALX™ Standard and ALX™ Custom System Specification Sheets for detailed application instructions of those steps.

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For the ALX™ Pro Standard and ALX™ Pro Custom Systems- Lay out WP-47 Fiberlath reinforcing mesh on the deck, overlapping the seams approximately 2 inches and leaving a 1 inch gap completely around the Deck Drain Cap. Combine one bag of TC-1 Basecoat Coat Cement with five gallons of WP-90 Waterproofing Resin. Mix with a mechanical mixer until uniform. Pour the mixture into the WP-47, trowel thin and smooth at the coverage rate of approximately 250 square feet per batch. stopping at the Fiberlath edge, leaving 1 inch of flashing exposed. For best results, tape off flashing. Use a paintbrush to spread the base coat ensuring the mixture covers all seams and corners. Allow surface to dry for 1-4 hours at 70 degrees. Scrape off any high spots or ridges that may inhibit application of a smooth texture coat. Trim any mesh that is showing on perimeters after the material has hardened.

Install the Slurry, Texture and Topcoat/Custom Finish right up to the Deck Drain Cap. See ALX™ Pro Standard and ALX™ Pro Custom System Specification Sheets for detailed application instructions of those steps.

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
See System Specification Sheets for maintenance instructions on system being installed.

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
- Read System Specification Sheets for exact system you will be installing 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
- For Professional Use Only
- 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 products to freeze.

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