



WP

WATERPROOF
RELIABLE MOISTURE BARRIERS

MACoat™

**Custom
Finish**

Description

The MACoat Custom Finish System is a fiberlath-reinforced deck system installed with a series of four or five separate waterproof acrylic applications, and sealed with one of Westcoat clear sealers. The MACoat Custom Finish gives the look and feel of slate, flagstone or tile. The finished product weighs approximately one pound per square foot.

Uses

The MACoat Custom Finish is mainly used on elevated concrete walking decks. MACoat Custom Finish is designed for balconies, corridors, stairs, and landings. It is regularly specified for homes, hotels, condominiums, apartments, and office buildings. In many cases it can be applied over existing deck systems to provide an excellent method for the rehabilitation of problem surfaces.

Advantages

- Flexible
- Durable
- Fast Access After installation

- Choice of Colors and Textures
- Tough Final Coat is UV Resistant
- Skid Resistant Textured Finish
- Environmentally Safe Acrylics
- Waterproof

Packaging

- WP-26 Flashing
- WP-51 Polyurethane Sealant
- EC-72 Epoxy Patch Paste (½ and 2 gallon kits)
- WP-47 Fiberlath (475 sq ft per roll, 38 in. x 150 ft.)
- WP-47-3 Seam Tape (3 inch)
- WP-90 Waterproofing Resin (1 and 5 gallon pails)
- WP-81 Cement Modifier (1 and 5 gallon pails)
- TC-1 Basecoat Cement (50 lb. bags)
- TC-2 Smooth Texture Cement (50 lb bags)
- TC-5 Grout Texture Cement
- TC-40 Liquid Colorant (10 oz. bottles)
- SC-70 Acrylic Lacquer Sealer (1 and 5 gallon pails)

INSPECTION / PREPARATION

Inspection

Concrete must have ¼ inch slope per lineal foot with a rough broom finish (equal to 50 to 80 grit sand paper) and be open and porous. Allow concrete to cure a minimum 28 days and make sure that the moisture content is at 4% or less. If doing a calcium chloride test, the reading should be a maximum of 5 lbs./1000 sq ft. Another test can be done by taping a plastic mat or visqueen onto the surface, then waiting 24 hours before checking for moisture. Decks should meet local building code

Preparation

On concrete, remove all coatings to a sound concrete base. Prepare surface by grinding, water blasting or shot blasting to achieve surface that feels like 50 to 80 grit sand paper. Over existing coating, abrade the surface and do an adhesion test. For rough concrete, a slurry coat may be applied. Combine 1 bag of TC-1 Basecoat Cement with 1 gallon of WP-81 Cement Modifier and up to ½ gallon of water, and trowel smooth. Applied prior to the MACoat installation.

APPLICATION

Concrete Expansion Joints

Moving expansion joints should be honored and filled with a 2-part urethane sealant (approved by Westcoat). Sides of joints should be cleaned and applied per joint sealant manufacturers recommendation after the MACoat process is completed.

Primer Requirements

Priming is not required over properly prepared concrete. When coating over an existing surface, prime with EC-11 Water Based Epoxy at the rate of 300 square feet per gallon and broadcast with #30 or #60 silica sand to increase adhesion of the next coat.

Concrete Seams and Cracks

Cracks greater than 1/32 inch should be routed out ¼ x ¼ inch. Install WP-47-3 Seam Tape over all cracks and seams. Apply EC-72 Epoxy Patch Gel into the tape with a trowel or putty knife to smooth and broadcast with 30 silica sand to allow adhesion of the coating. Allow EC-72 3-4 hours to cure before the next coat.

Flashing

Flashing should be set in a bed of EC-72 and nailed only as needed. The vertical portion of the wall to deck flashing should be nailed at all studs, after the epoxy base has cured. Overlap all seams at least 4 inches. Caulk between overlapped flashing as well as the seam with WP-51 Polyurethane Sealant. (Note: If the flashing is not bonderized it must be etched or roughed up so that the coating will bond.)

Base Coat

Lay out WP-47 Fiberlath reinforcing mesh on the deck, overlapping the seams approximately 2 inches.

Combine one bag of TC-1 Basecoat Coat Cement with six 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 270 square feet per batch. Use a paintbrush to spread the base coat on the flashing, making sure to get the mixture into the seams and corners. Using a brush, wet with water, feather all outside edges. Allow surface to dry for 1-4 hours at 70°F. 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.

Note: Should deck coating not be completed in one phase or to allow for other construction trades, deck should be covered and protected to avoid being damaged and to keep clean. It may be necessary to power wash the deck to dislodge any construction debris or any other foreign matter.

Feather Patch

Smooth all seams or imperfections by mixing one bag TC-1 to 4 gallons of WP-90 and patch all areas where fiber lath is not laminated flat or any visible seams or overlaps. Feather these patches with a paintbrush and water. Scrape or sand all the patches.

Smooth Texture

Mix one bag TC-1 to 4 gallons of WP-90 and trowel the entire surface smooth and as thin as possible, approximately 300 to 350 square feet per batch. For easier application, you may add up to 1 quart of water to help loosen up the mix. After the texture has dried (30 minutes to 1 hour), lightly scrape any trowel marks and sweep or blow the surface clean.

Slurry Coat Grout Coat

Mix the TC-5 Grout Texture Cement into 1 gallon of WP-81 Cement Modifier, TC-40 Liquid Colorant 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 overnight, prior to pattern installation

Pattern Installation (Optional)

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

Mix 1 bag of TC-2 Smooth Texture Cement into 1 gallon of WP-81 Cement Modifier & TC-40 Liquid Colorant and up to a ½ gallon of water. Mix thoroughly with a low rpm drill motor. 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 over the surface, be sure to rinse any residue.

The MACoat 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.

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.



westcoat®

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