



Description

Westcoat MACoat Undertile System is a waterproof reinforced deck system installed with a series of two separate waterproof applications. The first layer is WP-41 Sheet Membrane, a 60 mil rubberized asphalt self-sealing membrane. The second layer is a highly resinated cement designed for extra waterproofing and to protect the sheet membrane.

Uses

The MACoat Undertile System is used on elevated concrete decks for under tile and between slab applications. MACoat Under Tile is designed for the discriminating contractor who demands a tough and reliable system. It is regularly specified for balconies, corridors, stairs and landings.

Advantages

- Flexible
- Durable
- Fast Access After installation
- Environmentally Safe Acrylics
- Waterproof

Packaging

- WP-51 Polyurethane Sealant
- WP-90 Waterproofing Resin (1 and 5 Gallon pails)
- TC-1 Basecoat Cement (50 lb. Bags)
- WP-47-3 Seam Tape (3 inch)
- EC-72 Epoxy Patch Paste (½ and 2 gallon kits)
- EC-74 Epoxy Patch Gel (½ and 2 gallon kits)
- WP-41 Sheet Membrane
- WP-26 Flashing

INSPECTION / PREPARATION

Inspection

Concrete must have ¼ inch slope per lineal foot with a smooth finish 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 five pounds or less of vapor transmission per 1,000 square feet. Another test is done by taping a plastic mat or visqueen onto the surface, then waiting 24 hours before checking for moisture. Decks must be built to meet local building code.

Preparation

Prepare surface by brooming, vacuuming, high-pressure clean dry air, or grinding to achieve a clean dry surface. Be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion.

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.

APPLICATION

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 or EC-74 Epoxy Patch Paste into the tape with a trowel or putty knife to smooth. Allow EC-72 or EC-74, 3-4 hours to cure before the application of the WP-41

Sloping and Patching

Sloping should always be done in the substrate. 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 preexisting slope condition.

When building over concrete, profile concrete to a texture equal to #30 grit sand paper or greater.

Sloping or patching may be done by combining ½ gallon of WP-81 Cement Modifier with one bag of TC-1 Basecoat Cement and between ½ and ¾ gallons of water. Maximum thickness should be ½ inch. When required slope or patch 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 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 are may occur. Cracks should be filled with EC-72 Crack Patch Gel or EC-74 Crack Patch Paste.

Flashing

Flash at the junction of the wall and the deck using 6 inch x 4 inch flashing. Flash the fascia with 2 x 4 inch

flashing. Use a minimum of 26-gauge bonderized sheet metal. Flashing should be set in a bed of EC-72 Crack Patch Gel or EC-74 Crack Patch Paste, 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.

Primer Requirements

Priming is required over properly prepared concrete. Apply the WP-43-H Sheet Membrane Primer to the concrete at a rate 150 to 250 square feet per gallon. Do not allow primer to puddle, or have excessive amounts of primer, this may cause blistering. Brush or roll out primer being sure entire surface to be waterproofed is primed. **DO NOT COVER WET PRIMER.** Prime only what you can cover with the membrane in a 1/2 working day. Apply membrane when the primer is tacky but not wet. Primed areas not covered in 8 hours must be re-primed.

Applying Sheet Membrane

One method of application is to roll out the membrane with the white side up and measure individual lengths from each end and remove the 2½ inch strip of the with 2 inch minimum overlap. Pull the material tight overlap release film and adhere to the deck. Remove the remaining film and adhere to deck. Over lapping 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.

Mastic Application

Apply WP-42 Sheet Membrane Mastic to all terminating edges, end laps and to any detailed areas. The Mastic should be applied the same day of the application.

MACoat Application

Mix at a 1 to 1 ratio (one bag TC-1 to 4 gallons of WP-90) and trowel the entire surface smooth (as thin as possible) or at the rate of 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 for easier application.

Flood Test

Prior to flood testing allow mastic 24 hours to fully cure. 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.

Warranty will not be given without documentation of a leak free flood test. The applicator and the General Contractor must sign a successful flood testing document.

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.

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-90°F.
- Read and obey all warnings..
- Cements contain silicas, dust masks or respirators should be used.
- Do not allow any Westcoat products to FREEZE.

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.

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.



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