



**WP**

**WATERPROOF**  
RELIABLE MOISTURE BARRIERS

**MACoat™**

**Under  
Tile**

#### Description

Westcoat MACoat Under Tile 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 resonated cement designed for extra waterproofing and to protect the sheet membrane.

#### Uses

The MACoat Under Tile 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-47-3 Seam Tape (3 inch)
- EC-72 Epoxy Patch Paste (½ and 2 gallon kits)
- WP-41 60 mil Sheet Membrane
- WP-43 Sheet Membrane Primer
- WP-42 Sheet Membrane Mastic
- WP-26 Flashing
- WP-90 Waterproofing Resin (1 and 5 Gallon pails)
- TC-1 Basecoat Cement (50 lb. Bags)

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## 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 can be 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.

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

#### 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 drip edge flashing. Use a minimum of 26-gauge bonderized sheet metal. Flashing should be set in a bed of EC-72 Crack Patch Gel 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 4 hours. Apply membrane when the primer is tacky but not wet. Primed areas not covered in 8 hours must be re-primed.

#### Sheet Membrane

Apply Sheet Membrane to the entire deck. Using a seam roller, roll the deck to smooth out any bubbles.

#### 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.

maximum of 3 inches of water for 24 hours.

Drains should be plugged and barriers placed to contain the water.

## Flood Test

Prior to flood testing allow mastic 24 hours to fully cure. Perform flood test with a minimum of 1 inch and a

## 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.

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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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