

STANDARD CARE & MAINTENANCE

With proper maintenance, you will extend the life of the Mer-Ko Cementitious Waterproof Decking system to its maximum potential. The following instructions will provide you with the proper methods of maintenance.

1. If puddling or standing water occurs, remove it and remedy the situation to maximize life of the system.
2. Establish a normal maintenance schedule for washing the deck surface using a mild soap and water solution. TSP (Tri Sodium Phosphate), all purpose cleaner, or similar products are recommended. Test all cleaners in an inconspicuous area to ensure Compatibility. Use a stiff broom or scrub brush (Polypropylene, nylon or horsehair) to remove any contaminants on the surface of the deck. Rinse the deck thoroughly after scrubbing. No solvents should be used to remove Contaminants as this may cause damage to the deck surface. All corrosive substances, chemicals and organic materials should be cleaned and rinsed away immediately to prevent damage and/or staining.
3. Planter boxes or flower pots should be raised off of the deck and moved every 2 months to allow the deck system to thoroughly dry out. Planters that drain onto the deck system may cause staining due to the natural minerals in the potting media. Self contained or internal drainage systems should be considered. Plastic retainer rings or dishes should be used under all planters to protect the deck system from damage. Concrete or clay pots are not recommended for use on the Mer-Ko Cementitious Systems.
4. Any type of matting that contains a rubber backing holds moisture, e.g. rubber backed indoor/outdoor carpet, should NOT be used on the deck system. The resulting trapped moisture will increase risk of damage to the topcoat.
5. Patio furniture should have 2 inch coasters or rubber pads to prevent indentation or tears in the deck surface. If a barbecue is used on top of the Mer-Ko Cementitious Deck System, it is suggested that an aluminum or plastic pan be placed beneath the barbecue to catch any hot grease or coals that may spill.

REPAIRING SPECIFIC AREAS AND/OR INSTALLING WEATHER DECK WHERE THE DECK STRUCTURE HAS BEEN ADDED ONTO:

1. Cut out the predetermined-damaged area of the existing system completely through the MK-65 Weather Deck Slip Sheet and remove the affected section of the deck coating.
2. Grind the edges of the existing deck surface repair areas, creating a minimum 8 inch taper exposing each layer of the system. Remove resulting debris.
3. Install a new section of MK-65 Weather Deck Slip Sheet that is a minimum 2" larger than the repair area on all sides and tuck it under the existing MK-65. Bond the new and existing slip sheet together all around the perimeter using a minimum ¼ inch bead of MK-95 Slip Sheet Adhesive. Apply pressure using a weighted roller. Allow to dry 24 hours at 70°F, 50% RH.
4. Prime the MK-65 Weather Deck Slip Sheet with a skim coat of MK-2 Weather Deck Fine Cement (40lb bag) mixed with ½ gallons of MK-30 Weather Deck Emulsion. Allow the primed areas to dry a minimum of 2 hours at 70°F, 50% RH. Remove minor surface imperfections by lightly trowel scraping and or sanding. Remove resulting debris.
5. Place MK-75 Mer-Ko Lath over the dry skim coat, overlapping runs and edges a minimum of two inches. Apply MK-25 Mer-Ko Membrane at a rate of 45- 50 ft² into the MK-75. Once dry, apply a second coat of MK-25 over the entire surface at a rate of 130-140 ft² to completely cover the MK-75. Allow to dry a minimum of 24 hours at 70°F, 50% RH or until dry enough to walk on without leaving impressions. Applications in elevated or high humidity conditions will require additional dry time.
6. Apply MK-1 Weather Deck Body Cement (50lb bag) mixed with ¼ gallons of MK-30 Weather Deck Emulsion in two applications, approximately level with the adjacent deck coating. Allow a minimum of 2 hours between coats. Allow to dry a minimum of 4 hours at 70°F, 50% RH. Remove any surface irregularities, (e.g., overlaps or cold joints), by sanding, using a mason's stone or trowel scraping. Remove resulting debris to allow a secure bond of the Smoothing Coat.
7. Apply a coat of MK-1 Weather Deck Fine Cement (40lb bag) mixed with 1½ gallons of MK-30 Weather Deck Emulsion, as a Smoothing Coat over the surface, feathering it onto the adjacent coating areas. Allow to dry a minimum of 2 hours at 70°F, 50% RH.
8. Sand the surface using approximately, medium 120-grit sandpaper as necessary to produce the desired level of finish. Remove any dust or debris.
9. MK-50 Mer-Ko WB Primer must be applied, prior to the MK-40. Premix each component separately. In a clean bucket, mix 2 parts A with 1 part B (by volume) of MK-50. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. MK-50 can be thinned with water, up to 50%. After mixing, dip and roll or spray and back roll the MK-50 onto the surface at a rate of 250-350 square feet per gallon. Do not allow material to puddle. MK-40 may be applied as soon as the MK-50 is dry to the touch, (approximately 1 to 4 hours at 70°F) but no later than 6 hours.
10. Apply MK-40 Mer-Ko Topcoat using a paint roller, in a sample area using appropriate finish texture technique(s) and color(s) to achieve the desired finish. Upon approval, apply the MK-40 Mer-Ko Topcoat in the selected color and finish to all vertical base flashing and horizontal deck areas. Allow to dry a minimum of 2 hours at 70°F, 50% RH, then apply a second coat of Mer-Ko Seal Topcoat perpendicular to the first. Allow to dry before returning to light service; 6 to 8 hours for normal service.

For further information regarding substrate preparation, installation conditions and storage & handling, refer to the Weather Deck System Specification.

TO PREPARE AREAS WHERE CRACKS HAVE OCCURRED:

Grind/sand the existing system (down to the waterproofing without damaging it) back 4 inches from the predetermined joint/crack area on both sides (and ends if the repair is not continuous) of the affected area and remove resulting debris. Grind the edges of the existing deck surface repair areas, creating a minimum 6 inch taper exposing each layer of the system. Remove resulting debris. Follow steps 5 through 10 on page 1.

2. RE-SEALING INSTRUCTIONS:

Mer-Ko Cementitious Waterproof Decking systems should be resealed every 3-5 years based on wear for best results, or per the schedule listed on the warranty issued. Follow the inspection guidelines detailed in the warranty at the time of scheduled Maintenance.

1. The deck surface must be clean, dry and free of any debris, dirt, dust, oil, grease, paint or other contaminants. Wash the deck as indicated in the Standard Care & Maintenance. Allow the deck surface to dry completely before continuing.
2. Sand smooth any debris stuck to the deck, then remove the residual contaminants and repair any gouges with the appropriate materials.
3. Patch any normal stress cracks using MK-90 Mer-Ko Polyurethane Caulking.
4. MK-50 Mer-Ko WB Primer must be applied, prior to the MK-40. Premix each component separately. In a clean bucket, mix 2 parts A with 1 part B (by volume) of MK-50. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. MK-50 can be thinned with water, up to 50%. After mixing, dip and roll or spray and back roll the MK-50 onto the surface at a rate of 250-350 square feet per gallon. Do not allow material to puddle. MK-40 may be applied as soon as the MK-50 is dry to the touch, (approximately 1 to 4 hours at 70°F) but no later than 6 hours.
5. For best results, always apply the sealer to a cool surface or in the shade. Do not reseat Mer-Ko Cementitious Waterproofing Systems if ambient temperature is below 55°F or above 90°F or when precipitation is expected or occurring within 24 hours. Thoroughly mix MK-40 Mer-Ko Topcoat to ensure an even and consistent color before application. Apply MK-40 over the primed deck at a rate of approximately 300-350 ft² per gallon. An additional coat of the MK-40 may be applied, as needed. Allow 6 to 8 to dry, before returning to light service and 24 hours for normal service at 70°F, 50% RH.

SHELF LIFE

Product shelf life for most products is six (6) to twelve (12) months from the date of manufacture when properly stored in the original, unopened container. Refer to individual Product Specification Sheets for specific storage and shelf life information.

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.

DISCLAIMER

Purchaser's sole and exclusive remedy against the manufacturer of Mer-Ko, 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.