

PRODUCT DATA

PACKAGING

1.5 gal & 15 gal kits

COVERAGES

~300-600 ft² / US gal.

COLOR

Clear

SHELF LIFE

The shelf life is three (3) years from the date of manufacture in the original, unopened container if properly stored.

PRODUCT DESCRIPTION

MK-50 Mer-Ko Water-Based Epoxy is a premium quality, two-component, chemical resistant, long pot life epoxy coating. It provides epoxy adhesion, medium gloss and durability, with the convenience of a water-based system.

USES

MK-50 is designed to be used on concrete or over existing acrylic deck coatings. MK-50 designed to be used as a primer for select Mer-Ko systems and when recoating most Mer-Ko deck systems.

ADVANTAGES

- USDA/FDA Compliant
- Water-Based
- Moisture Tolerant
- Chemical Resistant
- Long Pot Life
- Medium Gloss
- Very Durable
- Easy to Use
- Very Fast Drying
- No Induction Time

INSPECTION

The surface must be structurally sound, clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI and porous or rough enough to allow the product to soak in. A minimum of 28 days curing time is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure.

PREPARATION

Please refer to desired System Specification Sheet for more information on preparation. Methods may vary according to the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting, scarifying too aggressively, leaving grind marks, or grinding too smooth.

MOISTURE

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet/24 hours (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

MIXING

Premix each component separately. For color consistency, box all part B's (since the colorant is in the Part B on this product line). 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. After mixing is completed, remove material from container and spread onto the floor.

THINNING

Thin with water, up to 50%. Amount will vary depending on use.

COVERAGE

Will vary depending on the mil thickness applied and the porosity and texture of the surface, but in general, MK-50 will cover approximately 300-600 square feet per gallon.

APPLICATION

Material can be brushed, sprayed, and back rolled or dip and rolled. Primer coat should be applied evenly and worked into the surface to help seal and avoid pinholes. When thinned, apply MK-50 at a maximum of 3 mils. Do not allow material to puddle. Please refer to desired System Specification Sheet for more information on applying the product.

TECHNICAL DATA**VOC CONTENT**

<25 g/L

SOLIDS BY VOLUME

43.00%

SOLIDS BY WEIGHT

49.00%

VISCOSITY at 77°F

53 KU +/- 5

DRY TIME

You may re-coat as soon as the surface is dry to the touch in 1 to 4 hours, but no later than 24 hours. Light foot traffic may be permitted in 6 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 70F degrees and 50% humidity. Cooler temperatures will increase drying time.

CLEAN UP

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically or with an environmentally safe solvent.

CAUTION & LIMITATIONS

- This product is designed for professional use only.
- Be sure to do adequate surface preparation.
- Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy.
- Do not apply when temperatures are below 50°F or above 90°F. Hot or cold weather will affect dry times.
- For use as a primer only. Must be coated with MK-40.
- Do not allow Mer-Ko products to freeze.

STORAGE & HANDLING

Store all materials off the ground in a dry environment at temperatures between 50°F and 90°F and not in direct sunlight. All materials should be stored in compliance with local fire and safety requirements. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Avoid breathing vapors, it is strongly recommended that respirators are worn. Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

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.