

### PRODUCT DATA

#### PACKAGING

1/2 gal & 2 gal kits

#### COVERAGES

~Varies: 1/2 gallon will fill a 1/4" x 1/4" crack approximately 150 feet in length

#### COLOR

Black & Light Gray - Mixed to Gray

#### SHELF LIFE

The shelf life is two (2) years from the date of manufacture in the original, unopened container if properly stored.

### PRODUCT DESCRIPTION

MK-52 Epoxy patch gel is a high viscosity, two-component, 100% solids epoxy patching compound. It provides high-build, maximum toughness, and excellent chemical resistance in a quick-drying gel form.

### USES

MK-52 is designed for use on concrete to patch surface cracks, spawls and other voids, prior to application of select Mer-Ko systems.

### ADVANTAGES

- Convenient Mixing
- Fast Setting
- High Build
- Chemical Resistant
- Excellent Durability
- Moisture Tolerant
- Semi-Rigid
- A Side is Black; B Side is Light Gray

### 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

In a clean and dry bucket thoroughly mix 1 part A and 1 part B, by volume of MK-52. Combine using a mechanical mixer at low rpm or stir stick. Mix slowly for at least 3-5 minutes or until completely combined. Only prepare the amount you can use in 20 minutes at 70°F.

### THINNING

Thinning is not recommended.

### COVERAGE

The coverage will vary depending on the thickness applied, and the porosity and texture of the surface. For example, a 1/2 gallon kit will fill a 1/4 x 1/4 inch crack or joint approximately 150 feet in length.

### APPLICATION

A trowel or putty knife is the best way to apply the epoxy into the crack or void you are attempting to fill. If the area will be coated with a thin-film coating, you may wish to slightly overfill the area then sand it flush the next day to match the texture of the existing surface. Silica sand may be broadcast into the epoxy to add texture and act as a binder for subsequent coats of material.

**TECHNICAL DATA****VOC CONTENT**

0 g/L

**SOLIDS BY VOLUME**

100.00%

**SOLIDS BY WEIGHT**

100.00%

**DRY TIME**

You may reapply additional MK-52 as soon as the product has hardened, usually 2-4 hours. Light foot traffic may be permitted in 12 hours, normal foot traffic in 24 hours and light vehicle traffic in 48 hours. Heavy vehicle traffic should not be permitted for 72 hours.

**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 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.
- Solvents may be required in cooler weather to lower viscosity and increase coverage of 100% solids.
- Please check with local laws governing the use of solvents.
- 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.