

TECHNICAL DATA SHEET

CONCRETE QUICK FIX

PRODUCT DESCRIPTION:

MF343 patch kit consists of a two-component polymer packaged with aggregate for patching and repairing concrete

RECOMMENDED FOR:

Industrial repairing of spalled concrete, holes, cracks and thresholds or uneven concrete slabs.

NOT RECOMMENDED FOR:

Expansion Joints.

SOLIDS BY WEIGHT:

Nearly 100% cured

VOLATILE ORGANIC COMPOUND:

5.5 g/L cured

STANDARD COLOUR:

Grey colored when mixed and cured. The grey colour will not develop until the curing process takes place.

RECOMMENDED THICKNESS:

The **MF343** polymer patch kit can be applied at variable thicknesses.

COVERAGE PER KIT:

Coverage is dependent on the size of the hole or size of the area to be repaired.

PACKAGING

CUBIC FEET

*Small patch kit (0.5 gallon kit) consisting of 236ml of part A, 236ml of part B and ½ gallon (approx. 6.2lbs) of blended sand – packaged in gallon pail.

*Large patch Kit (1 gallon kit) consisting of 473ml part A, 473ml part B and 1 gallon (approx. 12.4lbs) of blended sand – packaged in a 2-gallon pail.

MIX RATIO:

The liquid mix ratio is 1:1 by volume

SHELF LIFE:

1 year in unopened containers

SHORE D HARDNESS:

71

TENSILE STRENGTH:

4,500 PSI

ULTIMATE ELONGATION:

5-6%

IMPACT RESISTANCE:

Excellent

ABRASION RESISTANCE:

Excellent

COMPRESSIVE STRENGTH:

4,400 (as a slurry with aggregate sand)

BOND STRENGTH

535 psi (concrete failure)

VISCOSITY:

Less than 30cps typical

TDG CLASSIFICATIONS:

Part A "not regulated"

Part B "not regulated"

APPLICATION TEMPERATURE:

-6°C - 32°C (20°F -90°F) lower temperatures will require additional cure time

DRYING TIMES: (21°C / 70°F) @ 50% RH

Pot life (100-gram mass)1-4 minutes

Recoat or topcoat.....1 hour

Light foot traffic.....10-20 minutes

(Heavy traffic) ... 1 hour

PRIMER:

Self-priming

TOPCOAT:

None required. However, many types of products can be used as coatings or overlays for the area that has been patched.

LIMITATIONS:

- Because of the quick cure time for this product, it is best to work with one small area at a time.
- Typical working time after the three components are mixed according to directions is about 1-2 minutes.
- Colour stability may be affected by environmental conditions such as high humidity or chemical exposure as well as UV exposure.
- Product may discolour if exposed to certain types of light such as sodium vapor lighting.
- Final cured product colours may vary from batch to batch and be influenced by the silica aggregate, when used.
- Substrate temperature must be 3°C/5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application.
- When applying material in cold areas, make sure the surface is clean and dry. It is also best to keep the material and aggregate sand at normal room temperature before mixing or use.

MIXING AND APPLICATION INSTRUCTIONS

- 1) **PRODUCT STORAGE:** Store product at normal room temperature before using. Continuous storage should remain above 13°C/55°F to prevent product crystallization.
- 2) **SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble-free bond to the substrate. For repair of spalled concrete, a stiff wire brush can be used to remove all loose concrete. After wire brushing the spalled area, remove all loose dust and debris with an industrial vacuum.
- 3) **PRIMING:** The material is self-priming
- 4) **PRODUCT MIXING:** The product has a 1:1 liquid mix ratio by volume. Mix only an amount of material that can be used in 1-2 minutes. Mix the liquids (part A and part B) for 15 seconds and immediately add in the blended aggregate and remix.
- 5) **PRODUCT APPLICATION:** Immediately after the three components are mixed, (Product has a very short pot life), place the material into the area to be repaired with a trowel or other suitable equipment. Finally, trowel the floor to smooth out the area and remove any excess material. Allow the material to cure for ten to twenty minutes before foot traffic. For heavy equipment, such as fork trucks, allow the material to cure for a half hour to an hour before using area that has been patched.

Before using any product, be sure the Safety Data Sheet is read and understood.

Please contact your MF Paints Inc. representative at 1-800-363-8034 for further information.

WARRANTY

This product will give full satisfaction if applied according to the manufacturer's instructions. Manufacturer's liability is limited to the replacement of the product and does not include manpower if found to be defective upon inspection.

"Contact your municipality to dispose of the container and any surplus in a safe and ecological manner."