

## TECHNICAL DATA SHEET

## 100% SOLIDS EPOXY – Base Coat Black

### PRODUCT DESCRIPTION:

**MF2663** Epoxy is a 100% solids coating – black. It is used as a base coat under the MF2600 Metallic. It consists of two parts resin and one-part hardener.

### RECOMMENDED FOR:

**MF2663** Epoxy is designed to prime the concrete before using MF2600 Metallic as a core coat.

### SOLIDS BY WEIGHT:

100% (+/- 1%)

### STANDARD COLORS:

Black

### RECOMMENDED FILM THICKNESS:

5-8 mils

### COVERAGE:

200-300 sq. ft. / 3.78 L (1 US gal.) @ 5-8 mils.

### PACKAGING INFORMATION

3 gallon kit and 15 gallon kits. All kits contain one (1) Part A resin and one half (0.5) part B activator.

### MIX RATIO:

Resin: 2 parts A / Hardener: 1-part B

### SHELF LIFE:

1 year in unopened containers

### ABRASION RESISTANCE:

Taber abraser CS-17 calibre wheel with 1000-gram total load and 1000 cycles = 50 mg loss

### FLEXURAL STRENGTH:

5,500 psi @ ASTM D638

### COMPRESSIVE STRENGTH:

10 500 psi @ ASTM D695

### ADHESION:

>300 PSI @ ASTM D-4541 (rupture du béton)

### VISCOSITY:

Resin: 3000-4000 / Hardener: 900-1100

### TENSILE STRENGTH:

6 500 psi @ ASTM D638

### HARDNESS:

Shore D = 78-80

### TDG CLASSIFICATIONS:

Part A "not regulated"

Part B "LIMITED QUANTITIES"

### APPLICATION TEMPERATURE:

15-21 °C with relative humidity below 85%

### DRYING TIME: (21°C / 70°F @50% RELATIVE HUMIDITY)

Pot life – 1.5 gallons.....25-30 minutes

Recoat or topcoat..... 8-12 hours

Light foot traffic... 8-12 hours

Full cure (heavy traffic) ..... 2 days

### PRIMER:

Not required

### TOPCOAT:

**MF2600** Metallic can be applied.

### LIMITATIONS:

- Substrate must be clean, sound and dry.
- Substrate temperature must be 3°C (5.5°F) above measured dew point.
- Moisture content of the substrate must be 4% or less when coating is applied.
- Do not apply to porous surfaces where moisture transmission can occur during application of the coating.
- Do not use on exterior substrates.
- Do not apply in areas where the ambient humidity is greater than 85%.
- Freshly applied product must be protected against moisture, condensation and water for at least 24 hours.

**MIXING AND APPLICATION INSTRUCTIONS**

1) **PRODUCT STORAGE: MF2663** must be stored dry between 15°C and 21°C. Do not store near open flame. The shelf life of part A and part B is 12 months. Once the part A is mixed with Part B, the pot life is 25-30 minutes.

2) **SURFACE PREPARATION:** Remove dust, dirt, grease, oil and all other contaminants with 3599 cleaner / degreaser. Prepare the surface mechanically as per ICRI-CSP2 diamond grinding to ensure removal of laitance, curing agents and sealers. The compressive strength of the concrete substrate must be at least 25 MPA (3635 psi) after 28 days and at least 1.5 MPA (218 psi) tensile strength. Be careful with condensation (within 10 degrees of the dew point). All cracks, holes and irregularities must be repaired prior to applying the coating.

3) **PRODUCT MIXING:**

Pre-mix each component separately for 2-3 minutes each. Pour 2 parts of component A into a recipient, then add 1 part of component B (mixing ratio 2:1). Mix the components for at least 2-3 minutes using a low-speed drill (300-450 rpm) in order to reduce air entrapment and to obtain a homogeneous mixture.

4) **PRODUCT APPLICATION: MF2663** Epoxy is applied at 5-8 mils. with a flat squeegee and back rolled with a 10mm nap roller to obtain a uniform finish.

5) **RECOAT OR TOPCOATING:**

1. Apply one coat of **MF2663** base coat black (see technical data sheet). The coat of **MF2663** must be dry to touch (8-12 hours) before applying the **MF2600** metallic. Do not exceed 24 hours between coats.
2. Apply **MF2600** metallic using a flat or notched squeegee. Apply to a thickness of 32 mils, which will provide 75 square feet per 1.5 gallons.
3. Before the surface dries, denatured alcohol could be sprayed on if a very artistic look is desired.
4. An optional clear coat of **MF2600** can be applied, in order to obtain a multidimensional effect. Apply at 5-8 mils. with a flat squeegee and back roll with a 10mm nap roller for a uniform finish.

6) **CLEANUP:** Clean all tools and equipment with a Cleaner/Epoxy thinner. Wash soiled hands and skin thoroughly with hot soapy water. Once cured the product can only be removed mechanically.

7) **FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product.

8) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured. It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

9) **CAUTION:** Exposure during the curing stage of the coating to the byproducts of propane combustion may cause discoloration to occur. During application and curing, propane fueled fork-lifts and other vehicles or propane fueled heaters should not be used in the area until the coating is fully cured, At least 72 hours

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

**For further information, feel free to contact the Technical Department of MF Paints Inc. at 1-800-363-8034**

**WARRANTIE: 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 defective upon inspection.**