

**MF2700/MF2752****EPOXY 100% SOLIDS
MF2752 MEDIUM GRAY****DESCRIPTION**

MF 2700 is a clear 2-component 100% solids epoxy coating. MF 2700 has a low odor and VOC compliant. The MF2700 meets environmental requirements.

It is composed of 2 parts of resin and 1 part of activator. Resistant and durable, it can also be used in industrial, but also commercial and residential and institutional locations. It can also be used as a clear topcoat or to make decorative floors in metallic or with flakes as well as non-slip.

APPLICATIONS

- Residential
- Restaurant
- Pharmaceutical - Hospital
- Commercial and Dealership
- Institutional - Detention Center
- Industrial – Aeronautics

ADVANTAGES

- Very low odor
- LEED projects
- Glossy appearance
- Heavy traffic
- Chemical resistance
- Durable finish

LIMITATIONS

- Do not apply at temperatures below 10°C / 50°F or above 30°C / 86°F
- The relative humidity of the surrounding work environment during the application of the coating and throughout the curing process should not exceed 85%
- Substrate temperature must be 3°C (5.5°F) above dew point measured
- Humidity content of substrate must be <4% when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during the application
- The application of this coating on an interior or exterior substrate without a moisture barrier is at risk of detachment (by hydrostatic pressure).
- Protect the coating from all sources of moisture for a period of 48 hours
- Surface may discolor in areas exposed to regular ultraviolet light
- **Does not protect against high hydrostatic pressure**

TECHNICAL INFORMATION

FORMAT: Kit of 3 gallons.

RATIO:

Resin: 2 parts A / Activator: 1 part B

Metallic Pigments: 1Pod of 1L/ kit 3 gallons

POT LIFE (150g)25°C : 50-60 minutes

SHELF LIFE: 1 year in sealed container

ABRASION RESISTANCE:

ASTM D4060(CS17 / 1000 cycles / 1000g):
0.10 g

BOND RESISTANCE: ASTM D4541: 268 psi

Substrate ruptures

COMPRESSIVE STRENGTH: ASTM D695

10 000+ psi,

PERMEABILITY ASTM D570: 0.3%

TENSILE STRENGTH: ASTM D638

5500+ psi

ELONGATION: ASTM D638 : 6,7%

HARDNESS: Shore D = 85-90

PROPRIETIES

SOLIDS IN WEIGHT: 100% (+/- 1%)

VOC: 41.77g/l

VISCOSITY: @25°C (CPS)

Aspect	A	B	MIX
Clear	1200-1400	200-400	700-900
Colors	1400-1600	200-400	1000-1200

APPLICATION INFORMATION

15°C (59F – 25°C (77F), R.H below 85%

NUMBER OF COATS: 2

COVERAGE/THICKNESS

THICKNESS:

Clear and colours:

1st coat: 8-10 mils

2nd coat: 16-24 mils

METALLIC: 40-50 mils

3rd coat recommended: Polyurethane satin anti slip.

COVERAGE PER GALLON:

CLEAR/COLOUR:

100-200 ft²/ 3.78 L (1 US gal.) @ 8-16 mils.

METALLIC:

40-50 ft²/ 3.78 L (1 gal. US) @ 40-32 mils.

Please note that a porous or imperfect surface will require more materials.

DRYING TIME

Substrate Temperature	10 °C	20 °C	30°C
Recoat min/max (h)	16/48	8/24	6/24
Foot traffic (h)	30	24	16
Light traffic (Days)	5	3	2
Full cure (Days)	10	7	5

MIXING

Premix 2752

Mix Part A in advance and let it sit. Pour both Parts A and one part B into a container (mixing ratio 2:1). Mix the components for 2 to 3 minutes using a low-speed drill (300-450 rpm) until a homogeneous mixture is obtained, making sure not to create air bubbles.

Metallic System

Gradually add the 1000 mL of metallic pigments to only the two A parts. Then, mix for about 1 minute using a low-speed drill (150-200 rpm) to dissolve the colorant. Once the mixture is homogeneous and has rested for about 1 hour or more, add Part B and mix for 2-3 minutes. Use a low-speed drill (300-450 rpm) to minimize air entrapment and ensure a homogeneous mixture.

PREPARATION SURFACE

Remove dust, dirt, and grease. Mechanically prepare the surface by ICRI-CSP2 diamond grinding to remove laitance, curing agents, and sealers. The compressive strength of the concrete must be at least 25 MPA (3635 PSI) after 28 days. The tensile strength must be at least 1.5 MPA (218 PSI). Be careful of condensation (up to 10 degrees dew point). All cracks, holes, and irregularities must be repaired before applying the coating.

PRIMER/BASE COAT

For floors that do not have moisture problems, apply MF2700 as a primer, or use one coat of MF015 water-based epoxy sealer.

Floors with residual moisture should be covered with a coat of MF1700 Vapor Barrier Epoxy before applying subsequent coats.

**MF2700/MF2752****EPOXY 100% SOLIDS
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Apply MF2700 at 5-8 mils for the first coat and 8-12 mils for the second coat. Spread with a rubber squeegee. A 10mm roller may be used to achieve a uniform finish.

System with colorants or pre-mixed

Apply two coats of MF2700 colour using a flat squeegee and roller. Apply at a thickness between 8 and 12 mils, for a spread rate between 133 and 200 mils per gallon.

For a satin, non-slip finish, use MF3700CL.

Metallic System

Apply a colored coat of MF2700 as a base coat. The base coat must be touch dry (8-12 hours) before applying MF2700 Metallic. Do not exceed 24 hours between coats; if more than 24 hours are allowed, roughen the surface and remove all dust.

MF2700 Metallic is applied in two stages, followed by a recommended third coat of MF3700CL. **(See All Available Colours).**

Apply MF2700 Metallic using a flat or notched squeegee. Apply at a thickness between 40 and 50 mils, for a spread rate of 32 to 40 sq ft/gallon.

For a satin, non-slip finish, use MF3700CL.

Flakes System

Use a colored base coat of MF2700 followed by a complete flake seeding. Wait 8-16 hours then scrape off the excess flakes and vacuum everything. Then apply the clear MF2700 topcoat or a coat of MF3550 polyaspartic. An optional polyurethane final coat.

PRECAUTIONS FOR USE

Use the floor for light traffic until the coating is fully cured. It is best to keep the floor dry throughout the entire curing cycle. Depending on the system applied, the surface may be slippery, especially when wet or contaminated; keep the surface clean and dry. **Lower temperatures will prolong curing.**

CLEANING TOOLS

Clean all tools and equipment with epoxy cleaner/thinner. Wash hands and skin with soap and warm water. Once cured, the product can only be removed mechanically.

CLEANING THE SURFACE

Caution! Some cleaning products may affect the colour of the installed system. Test each cleaner on a small area, using the same cleaning technique that will be used for the rest of the surface. If no change is noted, continue cleaning.

DISPOSAL

Allow the 2A+B mixture to harden and dry thoroughly before disposing of it.

Contact your local municipality for environmentally friendly disposal of containers and surplus materials.

WARRANTY

This product will give complete satisfaction if applied according to the manufacturer's instructions. In the event that it is found defective upon inspection, the manufacturer's liability is limited to replacement of the product and does not include labor during application.

RESTRICTIONS:

MF Performance and MF Performance Plus products should not be combined in the same system or with equivalent products from other brands. MF Paints does not guarantee compatibility with any combination of products from other brands. Any product change requires compatibility testing. It is your responsibility to verify product compatibility before use. The use of incompatible products may also void the warranty.

We strongly recommend that you read the instructions for use carefully before installing the selected system. If in doubt, do not hesitate to contact your representative for advice.

CAUTION

Exposure to propane combustion by-products during the curing period of the coating may cause discoloration. During the application and curing period, propane forklifts and other propane-powered vehicles or heaters should not be used in the area until the coating is completely cured, at least 72 hours.

AVAILABLE COLOURS

MF2752 Med Gray,
MF2700 Clear

Colours: (pots)

DARK GRAY MF2774-500

BEIGE: MF2770-500

MED GRAY: MF2752-500

SECURITY YELLOW: MF2710-500

DARK BROWN: MF2740-500

WHITE: MF2733-500

BLACK: MF2733-500

LIGHT GRAY: MF2771-500

SAFETY RED: MF2725-500

METALLIC SILVER: MF2750MET