MF2600, MF2673

TECHNICAL DATA SHEET

100% SOLIDS EPOXY 4.5 L KIT

PRODUCT DESCRIPTION:
Two part 100% solids epoxy coating. To be applied on floors requiring colour and resistance.

RECOMMENDED FOR:
MF26XX Epoxy is designed as a finishing coat or basecoat on cement or concrete.

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

STANDARD COLOURS:
MF2600 Clear, **MF2673** Medium Grey

250 ml COLOUR PACKS
Dark Grey, Azur, Pine Green, Desert Tan, Tile Red, Black
Safety Dark Blue, Safety Lime Green, Safety Yellow.

RECOMMENDED FILM THICKNESS:
5-8 mils

COVERAGE:
200-250 sq. ft. / 4.5 L @ 5-8 mils.

PACKAGING INFORMATION
4.5 L kit

SHELF LIFE:
1 year in unopened containers

ABRASION RESISTANCE:
Taber abraser CS-17 calibrase 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.....30-35 minutes
Recoat or topcoat..... 12-24 hours
Light foot traffic... ..... 12-24 hours
Car traffic.....72 hours +
Full cure (heavy traffic) ..... 7 days

TOPCOAT:
Optional – Many products are suitable as topcoats including multiple coats of this product. For added chemical resistance, colour stability, or UV stability, topcoat with a suitable aliphatic urethane

LIMITATIONS:
- Colour stability or gloss may be affected by environmental conditions such as high humidity, low temperatures, chemical exposure or exposure to certain types of lighting such as sodium vapor lights.
- Colours may vary from batch to batch. Therefore, always use product from the same batch for an entire job.
- 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.
- All new concrete must be cured for at least 30 days prior to application.

MIXING AND APPLICATION INSTRUCTIONS

1) **PRODUCT STORAGE:** The product must be stored dry between 15ºC and 21ºC. 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:** The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to begin coating.

3) **PRODUCT MIXING:** Mix each component seperatly for 2-3 minutes. Pour the entire content of Part B into Part A. Mix both components using a drill with a paint mixer, in reverse at low speed for 2 minutes (between 300 and 400 rpm maximum to avoid air entrapment). While mixing, scrape sides and bottom of container at least once using the provided stir stick to ensure a homogeneous mix.

4) **PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. However, the material can also be applied by a suitable notched squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release spike roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.

5) **RECOAT OR TOPCOATING:**
If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. However, all previous coats should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. Colder temperatures will require more cure time for the product before recoating or top coating can commence. .

6) **CLEANUP:** Use xylene for your tools and denatured alcohol for your hands.

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

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.