



**DESCRIPTION**

**MF3450CL** is a 2-component Polyaspartic / Polyurea clear coating. MF3450CL can be used for interior and exterior application, MF3450CL is VOC compliant. UV stable topcoat finish and durable it can be used in residential, commercial and institutional spaces. This coating is used as a topcoat on an MF Décor system (flakes). MF3450CL allows rapid use of the area.

**APPLICATIONS**

- Residential, balcony and garage
- Car dealer
- Shops, exhibition hall
- Commercial, bars and restaurant
- The institutions,
- Prison center
- Schools
- Hotel

**ADVANTAGES**

- Fast cure and quick return on the surface
- Good chemical resistance
- UV resistant
- Abrasion resistance
- Resists hot tires
- Can be applied at low temperatures
- Can be apply Inside or outside

**LIMITATIONS**

- Do not apply in excess
- Do not use the product for repairs
- Floor humidity should be 4% or less
- Not suitable for floors with hydrostatic pressure
- Do not expose to water before complete ripening (see drying section)
- Lower temperatures will prolong ripening
- Respect the drying times
- Do not apply when temperature and humidity are high

**TECHNICAL INFORMATION**

**FORMAT**  
 Kit of 2 gallons  
**MIX RATIO**  
 Resin: 1 part A / Activator: 1 part B  
**SHELF LIFE:**  
 1 year in unopened containers  
**ABRASION RESISTANCE**  
 32 mg ASTM D4060  
**ADHESION TEST**  
 3.8 MPA @ ASTM D4541 (rupture du béton)  
**VISCOSITY**  
 Resin + activator: 100-200 cps  
**RÉSISTANCE À LA TRACTION**  
 ≈ 48 MPA @ ASTM D638  
**ELONGATION:** 100% ASTM D638  
**HARDNESS:** Shore D = 78  
**VOC < 50 g/l**  
**WATER ABSORPTION**  
 0.2 % ASTM D570  
**COMPRESSION STRENGTH**  
 65 MPA, ASTM D695

**CHARACTERISTICS**

**SOLIDS BY WEIGHT:** 75% (+/- 1%)  
**COLOUR:** Clear  
**COVERAGE** 100-150 ft<sup>2</sup> /gallon @ 8-12 mils  
**TEMPERATURE OF APPLICATION**  
 5°C – 30°C and HR < 85%  
**DRY TIME: (21°C / 70°F @ 50% HR)**  
 Pot Life .....55 minutes  
 Tack Free..... 1-2 hours  
 Light traffic..... 12-24 hours  
 Full Cure ..... 3 days

**INSTRUCTIONS**

**STORAGE :**  
**MF3450CL** should be stored in a cool, dry place, at a temperature between 15 ° C to 21 ° C. Do not store near open flames. The shelf life of Part A and B is 12 months. Once Part A is mixed with Part B, pot life is 50 minutes  
**MIXING**  
 Pre-mix each component separately for 2-3 minutes each. Pour part A into a container, then add part B (mixing ratio 1: 1). Mix the components for at least 2-3 minutes using a drill at low speed (300-450 rpm) to avoid air induction and obtain a homogeneous mixture.

**SURFACES OF APPLICATION**

- Fiberglass
  - Steel
  - Concrete
  - Wood
- (Perform a test patch)**

**SYSTEM**

- Flakes System MF DECOR
- Quartz
- Silica Sand

**SURFACE PREPARATION**

Remove dust, dirt, grease. When this product is applied over an existing epoxy, ensure to adequately sand to achieve a dull finish. If previous coat has dried more than 24 hours, the surface must be mechanically sanded and the dust must be completely removed.

If MF3450 is applied over fully diffusing vinyl flakes, the flakes should be scraped off and suck up. Excess flakes not bonded to the base coat should be removed.

**RECOMMENDED PRIMERS**

All cracks, holes and irregularities should be repaired prior to coating application. Use MF8190 or MF818 for inactive cracks and MF829HV for dynamic cracks and saw cuts. (consult the technical data sheets of the products for additional information).

Either MF 3450 or MF015, the water-based epoxy sealer can be used as a primer on the concrete floor



### APPLICATION

MF 3450CL is applied at 8-12 mils. using a rubber squeegee and leveled with a 10mm roller to achieve an even coating. The 2 actions must be done simultaneously.

Relative humidity can have a pronounced influence on the drying characteristics. Product will dry faster if relative humidity is higher while lower relative humidity will slow drying and handling time. Make sure that the overlap on the previously applied area is done when it is still wet and non-sticky in order to avoid overlap marks.

### PRECAUTIONS FOR USE

Occasional light foot traffic is recommended until the coating is fully cured (see drying time schedule). It is preferable that the surface remains dry during the entire drying/curing cycle. Depending on the system applied, the surface can be slippery, especially when wet or contaminated; keep the surface clean and dry. **Lower temperatures will prolong ripening**

### MAINTENANCE

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

### CLEANING TOOLS

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

### DISPOSITION

Allow the A + B mixture to harden and dry well before placing it.

**Contact your municipality to dispose of containers and surpluses in an ecological way.**

### WARRANTY

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

### CAUTION

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

**Before using any product, make sure the Material Safety Data Sheet is read and understood.  
Please contact your MF Paints Inc. representative at 1-800-363-8034 for more information**