

MARK-170.2 Epoxy Finish Coat 02

Protective Finish Coat

OVERVIEW

MARK-170.2 FINISH COAT-02 is a single-component, moisture-cured, UV stable urethane finish coat. It is designed to provide a flexible, economical finish coat layer for parking garages experiencing moderate to high movement and/or high UV exposure.

FEATURES

- Economical alternative for decks requiring good color stability
- Withstands moderate to high structural and thermal deck movements
- Low temperature curing as low as 40°F (4°C)

PRODUCT CHARACTERISTICS

- Available in Dolphin Grey, Battleship Grey and Black
- Mix Ratio by Volume: moisture-cured, but can be catalyzed for faster cure
- Shelf Life: 12 months
- Contains solvent

Applications

MARK-170.2 FINISH COAT-02 is used as a durable, yet flexible finish coat surface for parking garage applications demonstrating moderate to high structural movement and capable of providing good color stability in locations of high UV exposure.

Product Characteristics

POLY-CARB MARK-170.2 FINISH COAT 02

Appearance	Grey Liquid
Viscosity at 77°F (25°C)	1500 cps
Solids Content	79%
Specific Gravity	1.16 g/mL
Packaging	5 gal (18.9 L)
Packaging - catalyst	0.5 pint (0.24 L)
Wet Mills (mm) ¹	20 - 35 mils (0.51 - 0.89 mm) or as needed to meet Performance Specification
Coverage Rate ²	46 - 80 sq.ft. per gallon (1.13 – 1.96 m ² per L) or as needed to meet Performance Specification

1. Maximum thickness per coat = 20 mils

2. Coverage may vary with the application technique used. Actual coverage rate and mil thickness dependant upon aggregate size and type.

Mixing and Handling

MARK-170.2 Epoxy Finish Coat 02 must be mixed in the following ratios:

	MARK-170.2 Epoxy Finish Coat 02	MARK-170.2 FINISH COAT-02 Catalyst (optional)
Parts by Volume	100	½ pint

Accurate proportioning and thorough mixing are essential to achieve full performance properties. Manually mix the resin and hardener components together for approximately 4 minutes while making sure to scrape the sides, bottom, and corners of the mixing container.

For large applications, it is a good practice to mix and use several small batches rather than one large batch.

The resin and hardeners used in this system will readily react with each other at ambient temperatures. This reaction is exothermic and, depending on the mass, can result in a significant temperature rise or fire. The utmost care must be taken to avoid inadvertent mixing of the system components. Refer to the Safety and Handling section for additional information.

Curing Characteristics & Mechanical Properties of Cured System¹

@ 77°F (25°C)

Initial Cure (without optional catalyst):	6 - 8 hours
Initial Cure (with optional catalyst):	2 - 3 hours
Time To Re-Open To Traffic:	
Minimum	24 hours
Tensile Strength	3200 psi
Tensile Elongation	500%
Tear Resistance, Die C, ASTM D-624	350 pli
Hardness (Shore A)	A85

1. Curing time is temperature, humidity and thickness dependent.

Safety and Handling

Olin POLY-CARB provides its customers with a product specific Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) to cover potential health effects, safe handling, storage, use and disposal information. Olin strongly encourages its customers to review the MSDS or SDS on its products and other materials prior to their use.

The reaction between resins and hardeners is exothermic and, depending on the mass and starting temperature, can result in significant temperature rise, smoke generation or fire. The epoxy/amine chemical reaction is self sustaining and cannot be easily stopped. Therefore, the utmost care should be taken to avoid mixing excessive quantities of resin and hardeners and then leaving them unattended. In the event a large quantity of material is inadvertently mixed, it is advised that the mass of the mixed resin system be reduced and the surface area increased by pouring it into multiple containers or a large shallow pan in order to reduce the potential temperature rise.

Packaging, Storage and Shelf Life

MARK-170.2 Epoxy Finish Coat 02 is supplied in 5 gallon plastic containers. The resin and hardener should retain its chemical properties for at least 24 months when stored between 68°F (20°C) and 95°F (35°C) in a dry place in its original closed packaging.

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