

Floor Patch – K-002

Description:

K-002 Floor Patch is an economical, 100 % solids, three component, trowelable system used for repairing concrete floors. K-002 Floor Patch adheres to concrete, asphalt, wood, aluminum, steel and most other construction materials. K-002 Floor Patch can be used on new or old concrete. Proper surface preparation is essential to the quality and success of the application. The concrete surface must be clean, free of oil and moisture; a rough surface will greatly enhance adhesion of K-002 Floor Patch. Pre-coating with Copps K-049 Primer will allow for easier application and improved performance.

Handling Properties:

COMPONENTS	Resin/Hardener/Aggregate
COLOR	Light Grey
MIXING RATIOS,	
By Weight	5 parts resin to 1 part hardener
By Volume	4 parts resin to 1 part hardener
AGGREGATE RATIO,	
By Weight	6 parts aggregate to 1 part liquid
By Volume	4 parts aggregate to 1 part liquid
APPLICATION THICKNESS, in.	1/8-1/2
COVERAGE @ 1/8" thick, ft ² /lb	0.88
WORKING TIME, min @ 77°F	45-60
TACK-FREE TIME, h	4-6
CURING TIME, h	16-24

Physical Properties:

COMPRESSIVE STRENGTH, psi	7,000	ASTM D-695
SHORE HARDNESS, Scale D	75	ASTM D-2240

Surface Preparation:

The surface must be free of rust, scale, dirt, dust, grease, oil and release agents. For molding or casting purposes, coat the mold surface with a release agent. If appearance is not a factor, coat the surface with a suitable wax or grease. If appearance is important, you should use a commercially available release agent.

NEW CONCRETE MUST CURE A MINIMUM 28 DAYS PRIOR TO THE APPLICATION OF ANY EPOXY.
CONCRETE MUST BE TESTED FOR MOISTURE AND VAPOR TRANSMISSION BEFORE APPLICATION.

Mixing:

Empty all of the hardener into the resin. Mix with a paddle or a heavy-duty low speed drill until uniform, usually 2-5 minutes. Incomplete mixing results in poor curing and soft spots. Do not use partial kits. If you need less than a complete kit, do not attempt to "eyeball" the mixture. Accurately weigh or measure the resin and hardener following the mixing ratios under HANDLING PROPERTIES. If kits are colder than 60°F, preheat them in hot tap water - to a maximum of 90°F. Higher temperatures will reduce the work life. Do not use a torch to heat kits.

Curing time may be shortened by applying heat with a heat gun or heat lamps. Do not exceed 120°F.

Packaging:

K-002-10: 0.7 gal = 160 in.³

K-002-40: 2.8 gal = 635 in.³

SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD ON, BURN OR TORCH ON OR NEAR, ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.**

Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

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