

Crete Patch – K-070

Description:

K-070 Crete Patch is a versatile three component, 100 % solids epoxy with a stiff, non-sag consistency that trowels easily on vertical or overhead surfaces. K-070 patches a wide variety of materials.

K-070 Crete Patch adheres tightly to concrete, asphalt, wood, aluminum, steel, and most other construction materials. It bonds tightly to wet surfaces, working even underwater. It is resistant to impact - reducing chipping and spalling - and will not shrink, crack, or become brittle with age. A high compressive strength – 7,000 psi - means K-070 Crete Patch withstands heavy loads. It finishes to a textured surface that is slip and abrasion resistant.

K-070 is used to patch or repair cracked, spalled or corroded surfaces. Because it is a smooth, non-sag paste, K-070 may be applied to vertical, horizontal, or curved surfaces. K-070 Crete Patch may be used to make wet or dry repairs to pipes, pumps, valves, and tanks, including swimming pools. In addition, it will repair worn concrete or blacktop.

Little surface preparation is needed when using K-070 Crete Patch. It has a work life of one hour. The repaired area is ready for service overnight. Solvents such as isopropanol can be used to smooth the surface.

Handling Properties:

COMPONENTS	Resin/Hardener/Aggregate	
COLOR	Light Grey	
MIXING RATIOS,		
Resin/Hardener, pbw (pbv)	1/1.4	(1/1.3)
Resin+Hardener/Aggregate, pbw (pbv)	1/1	(1.4/1)
APPLICATION THICKNESS, in.	1/8-1 or greater	
WORKING TIME, h	1	
TACK-FREE TIME, h	4-6	
CURING TIME, h	16-24	
COVERAGE @ 1/8 in. thick, ft ² /lb	0.91	

Physical Properties:

COMPRESSIVE STRENGTH, psi	7,000	ASTM D 695
HARDNESS, Shore D	60	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.

Mixing:

Do not use partial kits. If kits are colder than 60 °F, preheat them in hot tap water to a maximum of 90 °F. Higher temperatures will reduce the working time. Do not use a torch to heat kits. Empty all of the hardener into the resin.

Mix with a paddle and a heavy-duty low speed drill until uniform, usually 2-5 minutes. Incomplete mixing results in poor curing and soft spots. Slowly add the aggregate and mix until uniform.

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.

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

K-070 Crete Patch, before it has hardened, can be removed from tools with Copps Enviro Kleen solvent.

Packaging:

K-070-35: 2.5 gal = 578 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.** Read and understand all cautions on can labels and safety data sheets before using this material.

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