Perma-Top Patch Kit

since 1895

OVERVIEW & FEATURES

Perma-Top Patch Kit is a three-component, pigmented, VOC compliant 100% epoxy/aggregate combination patching compound for concrete floors. It is self-priming and will withstand heavy impact from continuous fork lift traffic or steel-wheeled equipment.

Perma-Top Patch Kit repairs holes and wide cracks in concrete floors. It can be applied in openings as small as 1/8" (3.18 mm) up to any depth in need of repair. This product can be hand troweled from 1/8" to 1/4" (3.18 to 6.35 mm) to resurface small rooms or to restore floors to a smooth surface. It can also be used to repair holes left by equipment that has been seated in concrete or around the bolts that anchor newly placed equipment. Perma-Top can even be used to "ramp" sections of adjoining concrete slabs that are uneven.

Self-Priming - Perma-Top needs no additional primer for satisfactory adhesion to concrete. Skipping a prime coat puts the floor area back into service faster with less down time in high-traffic areas.

VOC Compliant - Perma-Top is a solvent-free product, permitting its use anywhere a non flammable, odorless product is required. Perma-Top is acceptable anywhere clean air regulations or employee health and safety are a concern.

Impact Resistant - Perma-Top has extremely high impact resistance and compressive strength, allowing it to withstand the heaviest of fork lift and steel-wheeled traffic.

Kit Packaging - Perma-Top comes in one container for easy storage and mixing. All neccesary components are included in the shipping container (which can be used as the mixing pail).

APPLICATION

Bring the material to normal room temperature before using. Continuous storage should be above 5˚F or the product will crystallize.

Surface Preparation - The most suitable surface preparation would is an aggressive shot blast to remove all laitance and provide a suitable profile. All edges and around columns or beams should be mechanically scarified. All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V-cut and filled with and appropriate filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint a single saw cut along the joint will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4' x 4' (1.22 m x 1.22 m) plastic sheet on the substrate and taping down the edge. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

Product Mixing - No primer is necessary. However, a suitable primer can be used.

Product Application - The mixed material should be applied at 1/8" to 1/4" (3.18 to 6.35 mm) thickness. Apply the material with a hand trowel or other suitable equipment. Do not over trowel. Maintain temperatures within 55˚ and 90˚F (13˚ to 32˚C) during the application and curing process.

Recoat or Topcoating - If you opt to recoat or topcoat this product, you must first be sure that the coating has cured. Many epoxy and urethane coatings are suitable for use as topcoats.

Clean-Up - Use xylol.

Floor Cleaning - Some cleaners may affect the color of the floor installed. Test each cleaner in a small, area, utilizing your cleaning technique before cleaning entires surface.

PRECAUTIONS

- Use with adequate ventilation
- Skin or eye exposure or inhalation can result in serious medical problems
- Avoid contact with eyes, skin and clothing; In the event of eye contact, immediately flush eyes with water and contact a physician
- Wear gloves or protective creams; if skin contact occurs, wash at the first opportunity with soap and water
- Keep out of the reach of children

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Technical Data	Perma-Top Patch Kit
Flexural Strength (ASTM D 790)	11,500 psi
Tensile Strength (ASTM D 638)	9,200 psi
Compressive Strength (ASTM D 695)	14,575 psi
Heat Defelction Temp. (ASTM D 648)	144.0ºF (62.25ºC)
Shelf Life	24 months in an unopened container
Working Time @ 70˚F (21˚C)	A 2 gallon mixed unit left undisturbed will harden in 20 to 30 minutes
***Set Time @ 70˚F (21˚C)** Tack Free Recoat or Topcoat Light Foot Traffic Full Cure	 N/A 7-8 hours 14-16 hours 2-7 days
Coverage 2 gallon (7.5 l) 5 gallon (18.9 l)	 5.5 sq. ft. at 1/4” (0.51 m^2 at 6.35 mm) 21 sq. ft. at 1/4” (1.95 m^2 at 6.35 mm)(
Packaging (Kit)	2 gallon (7.5 l) 5 gallon (18.9 l)

* Time varies depending on air temperature and humidity.

For specific recommendations and coverage rates, please contact your local Garland Representative.

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