

PermaPatch Kits

The new **PermaPatch Kits** from Thermal-Chem make patching as easy as . . .

...one...

New easy to install patching kits from Thermal-Chem Corp. make permanent patching of concrete a snap!

These convenient do-it-yourself patch and crack repair kits meet almost any project requirement.

Excellent for repairs of:

- Concrete floors in warehouses & production areas
- Patching plant walls & ceilings
- Filling potentially dangerous surface cracks in floors, walls & loading docks
- Repair voids created by missing quarry or ceramic tiles; use as a mortar bed for replacing missing tiles

...two...

These self-contained patch kits are designed with convenience in mind and specifically for small projects that can be completed by in-house maintenance personnel. Each kit contains a two-part epoxy, silica sand, mixing bucket and instructions. The Mini and Junior Kits also contain gloves and a mixing tool.

For your convenience, Thermal-Chem **PermaPatch Kits** are available in three sizes, three colors and three performance characteristics for a wide variety of applications. Each kit comes in either horizontal or vertical/overhead formulations.

...three...

PermaPatch Kits:

Mini Kit: Contains enough material to patch approximately 2 ½ square feet @ 1/4" thickness

Junior Kit: Contains enough material to patch approximately 8 square feet @ 1/4" thickness

Standard Kit: Contains ½ cubic foot of material - enough to patch approximately 24 square feet @ 1/4" thickness

For Normal Repairs:

PermaPatch - #600: Normal cure epoxy mortar for concrete floor patching

PermaPatch O/V - #601: Same as #600 but formulated for vertical or overhead applications

The Pro series - when down time is critical

For Rapid Repairs:

PermaPatch Pro - #604: Rapid-cure epoxy mortar for concrete floor repairs when down time is critical

PermaPatch Pro O/V - #605: Same as #604 but formulated for vertical or overhead applications

For Chemical Resistant Repairs

PermaPatch CR - #608: A chemical resistant epoxy mortar designed for concrete floor repairs

PermaPatch CR O/V - #609: Same chemically resistant formula as #608 for vertical or overhead applications

Colors: All kits are available in straw, pewter gray and tiled red

Thermal-Chem Corporation

2550 Edgington Street

Franklin Park, IL 60131

Tel: 847/288-9090

800/635-3773

Fax: 847/288-9090

Website: www.thermalchem.com

E-mail: sales@thermalchem.com

THERMAL-CHEM CORPORATION

PermaPatch General Installation Instructions:

READ ALL INSTRUCTIONS THOROUGHLY BEFORE USING OR MIXING PRODUCT: Thermal-Chem PermaPatch Kits are 3-component convenience epoxy patching and repair kits containing: 2 resin components (A + B) plus specially graded silica sand, (gloves, a wooden mixing stick and a small trowel are provided with Mini and Junior PermaPatch Kits - a mixing drill and paddle are needed for junior and standard kits) all packaged in a container that can be used as a mixing vessel. Epoxy mortar components have been pre-measured to insure ease and accuracy of mixing.

SURFACE PREPARATION:

- The concrete substrate must be clean, sound and free of dust or standing water. Remove all curing compounds, coatings, loose concrete and debris by abrasive blasting or chipping. For best results, sawcut edges of patch are to a depth of 1/4".
- Where oil or grease build-up is present, the surface must be degreased with Thermal-Chem Armor Clean, Product 1103 or a comparable degreaser/emulsifier product to remove all contaminants. If contaminants continue to exist after repeated cleanings, additional concrete must be removed to reach clean, sound substrate material.

PRIMING THE SURFACE:

- After the surface has been properly cleaned and has dried sufficiently, prime the surface with a mixture of neat epoxy resin (component A and B mixed but without aggregate). Do this by pouring the contents of the smaller container (B component) into the larger container (A component). Mix both components together for approximately 1 minute. (Use a drill and mixing paddle for standard kits or use the included mixing tool in junior and mini kits.)
- Prime the surface to be repaired with the blended mix. Apply using a brush and avoid leaving puddles of resin on the surface.

PATCHING:

- Slowly blend the sand into the remaining mixed epoxy resin using the packaging bucket. Mix materials until the aggregate is uniformly blended with the resin. This process usually requires 1-2 minutes for a mini kit, 2-4 minutes for a junior kit, and up to 3-5 minutes for a standard kit. A drill with mixing paddle must be used with the junior and standard kits.
- Spread mixed mortar (resin and aggregate) over the primed surface and compact material to desired thickness. Finish with a trowel to desired texture. Clean trowel with mineral spirits.



PATCHING - continued:

- To achieve the best adhesion possible, apply the patching mixture while the primer is still wet.

IMPORTANT:

- Material (epoxy/sand), ambient and substrate temperatures impact the working time and overall cure time of product. For best results, the temperature of the epoxy, sand and substrate should be between 75° and 80°F. Higher temperatures will decrease cure, mixing and placement times. Conversely, patches placed at lower temperatures may require twice as long to cure as those placed at 77°F.

WARNING:

Do not allow product to freeze! If shorter pot life is required, or when substrate temperatures are low, store material in a warm environment prior to use.

- *Do not dilute the resin mix in any way with solvents, water, or thinners!*
- *Do not open repair areas to vehicle or forklift traffic for 24 hours.*

LIMITED WARRANTY: Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORPORATION MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS,** and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (180) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.