



Specialty Flooring Products

www.nikkacorp.com | (678) 290-0830

TECHNICAL DATA: CONCRETE FAST PATCH

CONCRETE FAST PATCH (KIT) OR LIQUIDS ONLY

NC-Concrete Fast Patch is a 2 component urethane, concrete repair product. Its low viscosity allows for deep substrate penetration resulting in permanent repair of sound and still concrete.

RECOMMENDED USES

Recommended for heavy traffic, forklift traffic and steel wheel equipment production areas. Not recommended for immersion applications for acids and chemicals.

GENERAL PRODUCT DATA

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:

5.5 grams per litre cured

STANDARD COLORS:

Gray,

RECOMMENDED FILM THICKNESS:

Will vary in thickness

COVERAGE PER UNIT:

Varies on the size of are being patched

PACKAGING

Small patch kit consisting of a ½ pint of part A, ½ pint part B and ½ gallon (approx. 6.2#) of blended sand – packaged in gallon pail.

*Large patch Kit consisting of 1 pint part A, 1 pint part B and 1 gallon (approx. 12.4#) of blended sand – packaged in a 2 gallon pail.

Or 2 gal liquids only 1 part A & 1part B

MIX RATIO:

1:1 by volume plus agg

SHELF LIFE:

1years in unopened containers

COMPRESSIVE STRENGTH:

4400 psi with Agg

TENSILE STRENGTH:

4500 psi @ ASTM D638

ULTIMATE ELONGATION:

5-6%

IMPACT RESISTANCE:

Excellent

ABRASION RESISTANCE:

Excellent

BOND STRENGTH

3800psi neat

9000 w/sand

VISCOSITY:

Less than 30cps typical

DOT CLASSIFICATIONS:

Part A & C "not regulated"

Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

CURE SCHEDULE (70°):

Pot life – 100 gram mass..... 1-5 minutes @70

Recoat or topcoat.....1 hours

Light foot traffic.....15-20 mins

Full cure (heavy traffic).....1hour

APPLICATION TEMPERATURE:

55-90 degrees F

CHEMICAL RESISTANCE:

REAGENT	RATING
xylene	2
1,1,1 trichloroethane	3
methanol	2
ethyl alcohol	2
skydrol	2
10% sodium hydroxide	3
50% sodium hydroxide	3
10% sulfuric acid	2
10% HCl (aq)	3
5% acetic acid	2

Rating key: 1 - not recommended, 2 - 2 hour term splash spill, 3 - 8 hour term splash spill, 4 - 72 hour immersion, 4 - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

None required

TOPCOAT:

None required.

LIMITATIONS:

- * Color stability may be affected by environmental conditions such as high humidity or chemical exposure
- * Epoxy products are not UV color stable and may discolor if exposed to certain types of light such as sodium vapor lighting
- * Colors may vary from batch to batch due to variations in the silica filler
- * Mortar colors are not from our standard color chart
- * Substrate temperature must be 5° F above dew point
- * For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration
- * All new concrete must be cured for at least 30 days prior to application
- * See reverse side for application instructions
- * Test data based on neat resin
- * Physical properties are typical values and not specifications
- * See reverse side for limitations of our liability and warranty

EPOXY REPAIR MORTAR (KIT)

MIXING AND APPLICATION INSTRUCTIONS

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 55-85° F.

SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. 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 sawcut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing. A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges; 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. For applications directly over concrete, Testing should be performed to confirm a moisture vapor emission rate below 3 lb/24hr/1000 ft² per ASTM F1869

PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

PRODUCT MIXING The product has a 1:1 liquid mix ratio by volume. Mix only an amount of material that can be used in 1-3 minutes. Mix the liquids (½ pint part A and ½ pint part B) for 15 seconds and immediately add in the ½ gallon blended aggregate and remix.

PRODUCT APPLICATION: Immediately after the three components are mixed, (Product has a very short pot life), place the material into the area to be repaired with a trowel or other suitable equipment. Finally, trowel the floor to smooth out the area and remove any excess material. Allow the material to cure for fifteen to twenty minutes before foot traffic. For heavy equipment such as fork trucks, allow the material to cure for an hour before using area that has been patched.

RECOAT OR TOPCOATING: No recoating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representative for suitable topcoat selections.

CLEANUP: Use xylol

FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

Warranty

Since no control is exercised over product use, The Nikka Corporation warrants that its products are manufactured free from defect and are consistent and within manufacturing tolerances on our data sheets. No other oral or written representation or statement of any kind, expressed or implied, now or hereafter made is authorized or warranted by The Nikka Corporation. This product is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular use. The Nikka Corporation shall have no liability for incidental or consequential damage, direct or indirect. Our liability is limited to price of or replacement of our product at our option. By accepting delivery of our product means that you have accepted the terms of The Nikka Corporation Warranty.

Nikka Corporation
1880 West Oak Pkwy, Ste. 110
Marietta, GA 30066
678-290-0838
www.nikkacorp.com