

Technical Data / GF Patch

PRODUCT DESCRIPTION

GF Patch is a two component 100% solids crack filler designed for shallow repair on either vertical or horizontal surfaces. This product is easy to mix and use and has a non-critical mix ratio. Additionally, the product, because it is a 100% solids formulation, can be applied thicker on horizontal surfaces when required.

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry. This product is intended for hairline cracks and other fractures up to a 1/8 inch in width. Remove all unsound concrete from within the crack to be repaired and thoroughly vacuum all debris and dust from within the crack opening.

MIXING

GF Patch has a mix ratio of 1 part A to 1 part B by volume. To mix, simply measure out equal volumes of the material and mix them together thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color. Mix only an amount of material that can be used in the allotted pot life period. Improper or insufficient mixing may result in product failure.

STORAGE

Store product at normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Low temperatures or temperature fluctuations may cause product crystallization.

SHELF LIFE

6 months in unopened containers

APPLICATION

The mixed material can be applied by marginal trowel, putty knife or any other suitable equipment. When repairing cracks that are less than 1/8" thickness, many coatings can be placed directly over the applied crack filler before it is cured. Alternatively, it is also acceptable to allow the material to cure before installing the coating. If excessive amounts are spread well beyond the crack repair or in an areas where surface repairs have been implemented, it is best to check the cured areas for any possible amine blush (a whitish, greasy film or de-glossing) prior to coating over this material. If a blush is present, it can be removed by any standard type detergent cleaner prior to top coating or recoating. Many coatings are compatible for use over this product as well as multiple coats of this product.

CLEAN-UP

Acetone or Xylol

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PERFORMANCE CHARACTERISTICS

FLEXURAL STRENGTH

METHOD: ASTM D790

TYPICAL VALUE: 7500

TENSILE STRENGTH

METHOD: ASTM D638

TYPICAL VALUE: 6256

COMPRESSIVE STRENGTH

METHOD: ASTM D695

TYPICAL VALUE: 8710

ADHESION

350 psi @ elcometer (concrete failure, no delamination)

ELONGATION

TYPICAL VALUE: 2.4%

ABRASION RESISTANCE

Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 36 mg loss

VISCOSITY

Mixed = > 3,100,000 cps (typical)

GARDNER VARIABLE IMPACTOR

50 inch pounds direct – passed

HARDNESS

Shore D = 65

HEAT DEFLECTION TEMP

59 degrees C (138 degrees F)

DOT CLASSIFICATIONS

Part A “not regulated”

Part B “not regulated”

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PHYSICAL PROPERTIES

Solids by Volume	100%
Volatile Organic Compounds	<11 g/l
Mixing Ratio	1:1 (Part A to Part B)
Pot Life	1-3 hours
Cure Times @ 70-80°F and 50% Relative Humidity	
Recoat	Immediately after application
Tack Free	5-10 hours
Light Traffic	10-24 hours
Full Traffic	2-7 days
Shelf Life	6 months

Safety Information See SDS

LIMITATIONS

- *Color stability may be affected by environmental conditions such as high humidity, chemical exposure, or exposure to certain types of lighting such as sodium vapor lights.
- *Colors may vary from batch to batch.
- *This product is not UV color stable and may discolor when exposed to UV light sources.
- *Substrate temperature must be 5°F above dew point.
- *All new concrete must be cured for at least 30 days prior to application.
- *Many epoxy products can be placed directly over the uncured epoxy crack filler immediately after the material is used provided that the cracks are small. If coating over repairs that are larger, it may be advisable to allow the material to become tack free prior to application of subsequent coatings.
- *Physical properties are typical values and not specifications.

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We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.