



## FREEDOMTUFF® PRODUCT INFORMATION BULLETIN

**FREEDOMTUFF® QUIKFIX™** is a fast setting two-component modified urethane. It's extremely low viscosity allows for deep penetration into concrete and thoroughly wets out the selected aggregate to form a high-strength concrete repair. FreedomTuff® QUIKFIX™ exotherms throughout the repair process and can be ground smooth in approximately 15-20 minutes at 72°F (22°C).

### ADVANTAGES

- ✦ Excellent abrasion resistance
- ✦ Feather edge repairs
- ✦ High impact resistance
- ✦ Low Odor
- ✦ Meets SCAQMD Requirements
- ✦ Meets USDA Criteria
- ✦ Minimal prep/Down time
- ✦ No square cutting required - feather edge repairs
- ✦ Quik Set Time
- ✦ USGBC LEED, EQ Credit 4.3: Low-emitting VOC Compliant Materials

### PROFESSIONAL USE ONLY

Read and understand all the information contained in the Product Information Bulletin's, SDS's and product labels prior to starting any project. Nothing contained in any of Freedom® Chemical Corporation's materials relieves the end user of the obligation to read and follow the warnings and instructions for each of Freedom® Chemical Corporation's products.

### RECOMMENDED USES

FreedomTuff® QUIKFIX™ is suitable for concrete slabs and can be combined with aggregate for patching spalls and repairing joints/large cracks in concrete. FreedomTuff® QUIKFIX™ can be utilized for hairline cracks, nail holes and as an anchoring mortar. FreedomTuff® QUIKFIX™ is shouldn't be used where concrete is subject to structural or ground movement.

### SURFACE PREPARATION

Failures can be attributed to poor preparation. Area must be clean, dry, and sound and give enough profile to obtain adequate product adhesion. Remove all dust and dirt from the concrete pores, and salts, efflorescence, oil, form release agents, curing compounds, and other foreign matter, prior to installation.

Recommended surface preparation is with a dry diamond wheel or wire brush.

### COLOR

Amber or medium grey. FreedomTuff® QuikFix is UV stable but is known to darken or change color when exposed to UV, sunlight and some types of lighting.

### PACKAGING

2 Gallon Kit - 1-gallon Part-A (3.8 liters) 1-gallon Part-B (3.8 liters)  
10 Gallon Kit - 5 gallons Part-A (18.9 liters) 5 gallons Part-B (18.9 liters)

### COVERAGE RATE

One gallon (3.8 liters) of material when combined with sand yields approximately 750 in<sup>3</sup> of repair material.

### MIXING/APPLICATION

Coverage rates are approximate and vary based on type of substrate, porosity, and roughness.

Mix entire/full package containers, do not measure or mix partial containers of multi-component materials.

Do not dilute under any circumstances.

Keep repair material at room temperature. Mix at a one to one ratio, part A and B.

Pot life is approximately 3-4 minutes. Wet out area completely and fill with 30-40 grit dry kiln sand. Add additional FreedomTuff® QUIKFIX™ material to fill in repair. Make certain that filler aggregate is saturated completely. Use a hand trowel to finish surface. Work quickly and efficiently. Once dry, area may be ground smooth with a hand-grinder or other apparatus.

### SPECIFICATION AND FIELD ASSISTANCE

Contact Freedom® Chemical Corporation for assistance.

Jobsite visits by Freedom® Chemical Corporation's employees or its independent agents are solely for determining qualification for warranty.

### MAINTENANCE

Recommend maintenance program consist on frequent and through cleaning utilizing a neutral pH cleaner (e.g. Simple Green®). Frequency of washing will vary depending on floor usage type, traffic and age.

### CLEAN UP

Use Xylene or MEK. DO NOT USE ALCOHOL.

### DISPOSAL

All spilled material, unused contents, empty containers and secondary containment spills/leaks must be cleaned up and disposed of in accordance with local, state and federal regulations.

### PRODUCT INFORMATION

See Product Information Bulletins for substrate preparation, packaging, coverage rates, primer, mixing and application information for each product selected.

FreedomTuff® products have a shelf life of 1 year from the date of manufacture, in factory-sealed containers.

### STORAGE

FreedomTuff® QUIKFIX™ has a shelf life of 1 year from the date of manufacture, in factory-sealed containers.

Storage temperature for is between 40°F - 100°F (4°C - 38°C), store in a covered area (out of the sun) avoid direct sunlight and freezing temperatures.

Do not open until ready to use and keep containers sealed tightly.

**LIMITATIONS**

The end user should check the suitability of this product and the substrate prior to its application.

Freedom® Chemical Corporation assumes no liability for substrate defects.

Substrates that have previously been coated are subject to absorption, which may affect the adhesion.

Not intended for repair where concrete is subject too structural or ground movement.

**TESTING**

Substrate adhesion test should be performed seven days after application. All testing should be performed by a qualified testing agency. Freedom® Chemical Corporation is not responsible for testing.

**FREEDOMTUFF® QUIKFIX™ TYPICAL PROPERTIES**

MIX RATIO BY VOLUME	N/A	1:1
HARDNESS: SHORE D	ASTM D-2240	74
TENSILE STRENGTH	ASTM D-412	>4000 PSI
COMPRESSIVE STRENGTH (WITH SAND)		>4250 PSI
SOLIDS	ASTM D-2697	98%
ELONGATION	ASTM S-412	≤7%
VOLATILE ORGANIC COMPOUNDS	ASTM D-3960	5.5 GRAMS/LITER
BOND STRENGTH	ASTM 882-99	1500 PSI
TACK FREE TIME	N/A	10 MINUTES @72°F (22°C)
FULL TRAFFIC	N/A	15 MINUTES @72°F (22°C)

*Incredible Stuff, Exceptional Service, and Friendly People™*

Read all the information in this product information bulletin, and material safety data sheet (MSDS) before applying any material. The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to this description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors. Product information bulletins, recommendations, statements, and information contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy themselves, by their own information and tests, to determine suitability of the product for their own intended use, application and job situation and the user assumes all risk and liability resulting from their own use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of Freedom® Chemical Corporation. Typical properties and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Performance results were obtained in a controlled environment and Freedom® Chemical Corporation makes no claim that these tests or any other tests accurately represent all environments. Products manufactured by Freedom® Chemical Corporation are free of defects for a period of one (1) year, liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the materials in question. † Freedom® Chemical and FreedomTuff® are trademarks registered in the US Patent and Trademark Office. ‡ The marks of Freedom® Chemical Corporation, its divisions, slogans, emblems, other marks appearing in this document are the trademarks and/or service marks of Freedom® Chemical Corporation, its subsidiaries, affiliates or licensors Copyright© March 2015 Freedom® Chemical Corporation. All Rights Reserved. All published information is subject to change without notice.