



# UPatch<sup>®</sup> Technical Data Sheet

UPatch is a 100 % solids epoxy patch that is designed for shallow surface repairs. UPatch is easy to use with no critical mix ratios and can be immediately coated over.



## Quick Facts

<b>SOLIDS BY WEIGHT:</b> 100%	<b>FLEXURAL STRENGTH:</b> 7,500 psi @ ASTM D790
<b>SOLIDS BY VOLUME:</b> 100%	<b>COMPRESSIVE STRENGTH:</b> 8,710 psi @ ASTM D695
<b>RECOMMENDED FILM THICKNESS:</b> 1/8" cracks or thin build repairs	<b>TENSILE STRENGTH:</b> 8,710 psi @ ASTM D695
<b>COVERAGE PER GALLON:</b> .13 cubic feet or 1,228 lineal feet at 1/8"x1/8"	<b>GARDNER VARIABLE IMPACTOR:</b> 50 inch pounds direct – passed
<b>MIX RATIO:</b> 1:1 Part A to Part B	<b>HEAT DEFLECTION TEMPERATURE:</b> 8,710 psi @ ASTM D695
<b>SHELF LIFE:</b> 6 months in unopened containers	<b>ULTIMATE ELONGATION:</b> 2.4%
<b>ABRASION RESISTANCE:</b> Taber abraser CS-17 calibre wheel with 1000 gram total load and 500 cycles = 36 mg loss	<b>HARDNESS:</b> Shore D= 65
<b>ADHESION:</b> 350 psi @ elcometer (concrete failure, no delamination)	<b>DOT CLASSIFICATIONS:</b> Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"
<b>VISCOSITY:</b> Mixed = > 3,100,000 cps (typical)	

### CURE SCHEDULE: (68F)

Pot life – 2 gallon volume ..... 1-3 hours  
 Tack free (dry to touch) ..... 5-10 hours  
 Recoat or topcoat ..... immediately after application  
 Light foot traffic ..... 10-24 hours  
 Full cure (heavy traffic) ..... 2-7 days

### IDEAL APPLICATION TEMPERATURE:

60-90 degrees F with relative humidity below 80% for best results

### CHEMICAL RESISTANCE:

REAGENT	RATING
Butanol	C
Xylene	B
1,1,1 Trichloroethane	A
MEK	A
Methanol	A
Ethyl Alcohol	A
Skydrol	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HCl (aq)	C
5% Acetic Acid	A

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

**PRIMER:** UCoat or UPrime

**TOPCOAT:** An overcoat is required over UPatch.

**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. Substrate temperature must be 5°F above dew point.



### **Mixing and Application Instructions**

- 1) PRODUCT STORAGE:** Store UPatch in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Low temperatures or great temperature fluctuations may cause crystallization.
- 2) PRODUCT MIXING:** UPatch has a mix ratio of 1 part A(Base) to 1 part B(Activator). Product packaging is pre-measured and should be mixed as supplied. Mix equal volume of Part A and Part B together thoroughly until both the material is uniform in color.
- 3) PRIMING:** Using a UCoat or Prime as a primer is required.
- 4) PRODUCT APPLICATION:** The mixed material can be applied by putty knife or marginal trowel.
- 5) RECOATING OR TOPCOATING:** If repairing crack less than 1/8" thick, many UCoat It products can be applied directly over UPatch before or after it has cured. 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 deglossing) prior to coating over this material. If a blush is present, it can be removed by any standard type detergent cleaner prior to coating.
- 6) CLEANUP:** Use xylol
- 7) FLOOR CLEANING:** If not topcoated, 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.
- 8) 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. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.s

### **NOTICE TO BUYER: Disclaimer of warranties and limitations of liability**

This warranty applies only to the Do-it-yourself customer of UCoat It America, LLC and the UCoat floor coating products. If a UCoat It floor coating should ever peel up, blister or lift from a properly prepared (previously untreated and uncoated) concrete floor surface during the lifetime of the original purchaser so long as the original purchaser continues to maintain ownership of the said coated floor and can provide an original proof of purchase; UCoat It America, LLC will at its option refund the customer the purchase price or replace the materials that have peeled or blistered.

UCoat It America, LLC and its agents and representatives entire liability for the warranty shall be limited and in no event shall extend beyond that which has been stated herein and granted to the do-it-yourself customer. Said liability shall not extend to indirect, specific, incidental or consequential damages as they may relate to handling, storage, use, misuse or improper application of UCoat It products.

Do-it-yourself is defined as a customer of UCoat It America, LLC who purchases a UCoat It product directly from UCoat It America, LLC or one of its authorized agents or representatives and applies/install said product(s) himself/herself without modification or deviation from prescribed procedures written by UCoat It America, LLC and included with the purchased product(s) in his/her owned structure.

Limited warranty applies only to coated areas which are part of a dwelling or structure which is owned by the do-it-yourself customer. Properly prepared floor is defined as a previously untreated/uncoated concrete floor in good condition where all preparation steps as defined by UCoat It America, LLC in written instructions have been successfully performed prior to application of a UCoat It product.

This limited warranty shall only apply to peeling, blistering or lifting that occurs to properly prepared floors as defined above. To activate your warranty, please completely fill out and send in warranty card at the back of this book.

#### **Precautions and Limitation of Warranty**

We warrant that our product is manufactured to the specifications as stated here or in other publications. All other 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.

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 the 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. Uncured epoxy resins, polymers and their curing agents may be alkaline, toxic or both, depending on the system. They may cause allergic reactions or hypersensitivity reactions. Before using any material, read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.