

# UPatch®

100% SOLIDS EPOXY FLOOR PATCH AND CRACK FILLER

## Product Usage and MSDS Data



**PRODUCT DESCRIPTION:** UPatch is a two component 100% solids epoxy crack filler designed for shallow repair on either vertical or horizontal surfaces. Available in light gray or beige, UPatch 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.

### Recommended for:

Repairing cracks and defects in concrete or masonry.

UPatch is applied between the bond and finish coats of the UCoat epoxy base system. Apply after UCoat bond coat is completely tack-free and dry to the touch (approx 4-6 hours at 68°F).

**MIXING INSTRUCTIONS:** UPatch has a mix ratio of 1 Part A to 1 Part B by volume. To mix, simply measure out equal portions of material and mix together with a putty knife or spatula until the material is uniform in color. Mix only the amount of material that can be used in the allotted pot life (90 minutes at 68°F).

**APPLICATION INSTRUCTIONS:** Apply the mixed UPatch material with a clean putty knife or other suitable application equipment. Tip: You can use lacquer thinner to thin material out and smooth over patched areas.

**COATING OVER UPATCH:** UPatch may be coated over immediately, however, for best finish results it is recommended to allow the UPatch to fully cure before applying the UCoat finish coat (approx 4-6 hrs at 68°F). If excessive amounts of UPatch are spread well beyond a crack, or UPatch was used for a surface repair, it is best to check the cured UPatch for any possible amine blush (a whitish, greasy film or deglossing) prior to coating over it. If a blush is present, it can be removed by any standard detergent cleaner prior to topcoating or recoating. Multiple coats may be applied over UPatch to hide differences in color or texture.

**CAUTION:** THIS PRODUCT CONTAINS RESIN LIQUIDS. INCOMPATIBILITY AND HEALTH HAZARDS EXIST. AVOID PERSONAL CONTACT WITH EPOXY COMPOUNDS. KEEP AWAY FROM CHILDREN, PETS, AND LIVESTOCK.

**HANDLING AND STORAGE:** Use within 90 days of purchase. This product contains substances that may be harmful to the skin. Safety glasses and gloves should be worn while using. Wash with soap and water for incidental contact. Dispose of empty cans and unused materials as required by law.

**EMERGENCY AND FIRST AID PROCEDURES:** EYES: Immediately flush with running water for at least 15 minutes. SKIN: Immediately wash with soap and water. SWALLOWING: Do not induce vomiting. Drink large amounts of milk or water to dilute stomach contents. Consult a physician immediately.

**READ AND UNDERSTAND LABEL AND MATERIAL SAFETY DATA SHEET (SEE REVERSE) BEFORE USING**



This product manufactured by UCoat It America, LLC.  
For more information, call 1-800-UCoat-It (800-826-2848)  
or visit our web site at [www.UCoatIt.com](http://www.UCoatIt.com)

# Material Safety Data Sheet : UPatch® (1 of 1)

## Manufacturer Identification

**Manufacturer's Name:** UCoat It America, LLC.  
**Address:** 1797 Atlantic Blvd., Auburn Hills, MI 48326  
**Date Revised:** 08-26-09

**Emergency Phone:** Chemtrec - 1(800) 424-9300  
**Information Phone:** 1(800) 826-2848  
**Name of Preparer:** UCoat It America, LLC.

## Physical Properties

Physical properties are typical values and not specifications.

Solids by Weight: Mixed=100%

Solids by Volume: Mixed=100%

Volatile Organic Content: Zero (0) pounds per gallon

Recommended Film Thickness:  
1/8" cracks or thin build repairs

Coverage per Gallon:  
0.13 cubic feet or 1,228 lineal feet @ 1/8" bead

Mix Ratio:  
1 : 1 — one Part A to one Part B by volume

Available colors: Light Gray and Beige

Packaging Information:  
This product is available in 2-quart kits (light gray or beige) and 2-gallon kits (light gray only).

Shelf Life: 1 year in unopened containers

Heat deflection temp: 59°C (138°F)

Flexural Strength:  
7,500 psi @ ASTM D790 - 1/2" x 1/2" bars span 4"

Yield Compressive Strength:  
8,710 psi @ ASTM D695 - 1/2" x 1/2" bars

Tensile strength:  
6,256 psi @ ASTM D638 - testing dimensions  
F=2.25", W=0.500", T=0.125", D=4.5" and  
rate = 0.2"/minute

Ultimate elongation: 2.4%

Gardner variable impactor: 50 inch pounds direct - passed

Abrasion resistance:  
Taber abraser cs-17 calibrase wheel with 1000 gram  
total load and 500 cycles = 36 mg loss

Adhesion:  
350 psi @ elcometer (concrete failure, no delamination)

Hardness: Shore D = 65

Application Temperature: 60-90° F

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

Cure Schedule: (70°F)

Pot life (2 gallon volume) ..... 1-3 hrs  
Tack free ..... 5-10 hrs  
Recoat or topcoat ..... immediately if desired\*  
Light foot traffic ..... 10-24 hrs  
Full cure (heavy traffic) ..... 2-7 days

\* for best finish results, allow UPatch to become tack-free before recoating.

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 – 2hr term splash spill, C – 8 hr term splash spill, D – 72 hr immersion, E – long term immersion.

Primer:

None necessary.

Topcoat:

Optional: this product can be overcoated with most UCoat It epoxy and urethane products.

DOT Classification:

Part A - not regulated  
Part B - Corrosive liquid N.O.S., 8, UN1760, "PGIII"

Limitations:

- Color stability may be affected by environmental conditions such as high humidity or chemical exposure.
- Colors may vary from batch to batch.
- This product is not uv color stable, but has good resistance to color change for an epoxy product. Substrate temperature must be 50 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.