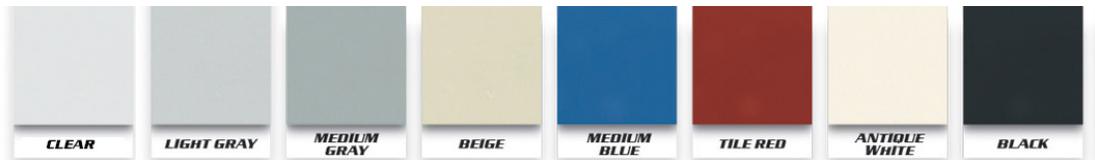




UClad[®] Technical Data Sheet

UClad is a self-leveling 100 % High Build epoxy floor coating. The material pours down and spreads out to smooth over rough, damaged or worn surfaces. UClad is typically applied as a binder in between a primer and top coat. It provides greater resistance to heavy duty use in mechanical areas or professional repair facilities. UClad is an odor-free, non-combustible product for interior use on concrete and wood floor surfaces.



Quick Facts

SOLIDS BY WEIGHT: Mixed = 100% (+/- 1%)	FLEXIBILITY: 5,400 psi @ ASTM D695 -1/2"x1/2" bars
SOLIDS BY VOLUME: Mixed = 100% (+/- 1%)	ADHESION: 420 psi @ elcometer (concrete failure, no delamination)
VOLATILE ORGANIC CONTENT: Less than 2 g/l	VISCOSITY: Mixed= 1300-2300 cps (typical, most colors)
RECOMMENDED FILM THICKNESS: 12 - 30 mils per coat wet thickness	FLEXURAL STRENGTH: 5,400 psi @ ASTM D790
COVERAGE PER GALLON: 50-150 square feet per gallon @ 12-30 mils	COMPRESSIVE STRENGTH: 9,100 psi @ ASTM D695
MIX RATIO: 2:1 Part A to Part B	TENSILE STRENGTH: 4,800 psi @ ASTM D638
SHELF LIFE: 1 year in unopened containers	GARDNER VARIABLE IMPACTOR: 50 inch pounds direct – passed
FINISH CHARACTERISTICS: Gloss (70-95) at 60 degrees @ glossmeter)	ULTIMATE ELONGATION: 3.1%
ABRASION RESISTANCE: Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 32 mg loss	HARDNESS: Shore D= 80
IMPACT RESISTANCE: Gardner Impact, direct = 50 in.lb. (passed)	DOT CLASSIFICATIONS: Part A “not regulated” Part B “CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII”

CURE SCHEDULE: (68F)

Pot life – 1 gallon volume	30-50 minutes
Tack free (dry to touch)	5-8 hours
Recoat or topcoat	8-12 hours
Light foot traffic	12-14 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
Xylene	C
1,1,1 Trichloroethane	B
MEK	A
Methanol	A
Ethyl alcohol	B
Skydrol	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D

10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	C

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:

UGloss, UGloss-AF, UGlaze or UGlaze-SB products are suitable as topcoats.

LIMITATIONS: Color stability or gloss may be affected by environmental conditions, high humidity or chemical exposure. Colors may vary from batch to batch. Apply a suitable primer before using this product. This product is not UV color stable and will yellow in the presence of sunlight. We recommend a topcoat. Substrate temperature must be 5°F above dew point. For best results, apply with a serrated squeegee and 3/8" nap roller.



Mixing and Application Instructions

- 1) PRODUCT STORAGE:** Store product 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:** UClad has a mix ratio of 2 parts A(Base) to 1 part B(Activator). Product packaging is pre-measured and should be mixed as supplied. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.
- 3) PRIMING:** Using a UCoat or Prime as a primer is required. If a primer is not used, more porous substrates will cause outgassing and possible surface defects.
- 4) PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. However the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.
- 5) RECOATING OR TOPCOATING:** If you recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. However, all previous coats should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner such as UDegrease or UClean can be used to remove any blush.
- 6) CLEANUP:** Use xylol
- 7) FLOOR CLEANING:** 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.

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/installs 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.