



# UClad® Product Data Sheet

## PRODUCT DESCRIPTION:

UClad is a self-leveling 100% high build epoxy.

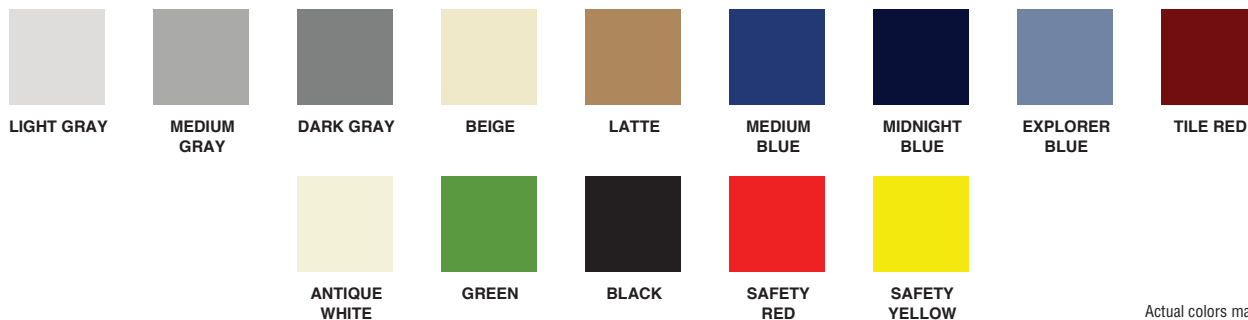
## USES:

UClad is a high build epoxy designed to smooth over rough, damaged or worn surfaces. UClad can also be applied as a binder in between a primer and top coat.

## ADVANTAGES:

- 100% solids
- Low VOC's
- Easy application
- Multipurpose use

## COLORS



Actual colors may vary

## PRODUCT INFORMATION

PACKAGING	3 Gallon Unit	Part A 2 Gallon (US)	Part B 1 Gallon (US)
	15 Gallon Unit	Part A 10 Gallon (US)	Part B 5 Gallon (US)
FINISH CHARACTERISTICS	Gloss		
SHELF LIFE	1 year in unopened containers		
SOLID CONTENT BY WEIGHT	Mixed = 100%		
SOLID CONTENT BY VOLUME	Mixed = 100%		
VOLATILE ORGANIC CONTENT	Less than 2 g/l		

## TECHNICAL INFORMATION

ABRASION RESISTANCE	Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 32 mg loss
IMPACT RESISTANCE	Gardner Impact, direct = 50 in.lb. (passed)
FLEXIBILITY	5,400 psi @ ASTM D695 -1/2"x1/2" bars
ADHESION STRENGTH	420 psi @ elcometer (concrete failure, no delamination)

## APPLICATION INFORMATION

MIXING RATIO	2:1 Part A to Part B	
COVERAGE	50 -150 square feet per gallon @ 12-30 mils	
POT LIFE	30 - 50 minutes @68°F	
CURE SCHEDULE (68°F)	Tack Free (dry to touch)	5-8 hours
	Recoat or Top Coat	8-12 hours
	Light Foot Traffic	12-14 hours
	Full Cure (heavy traffic)	2-7 days

CHEMICAL RESISTANCE	Please contact a UCoat It Representative
IDEAL APPLICATION TEMPERATURE	60°F -90°F with relative humidity below 80%
PRIMER	UCoat or UPrime
TOP COAT	UCIad-LV, UGloss, UGloss-AF, UGlaze or UGlaze-SB products are suitable as topcoats.

## APPLICATION INFORMATION

### SURFACE PREPERATION

Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. This can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause disbanding. However, this product can be applied to a damp floor as long as there are not standing puddles.

### 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.

### PRODUCT MIXING

UCIad 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 re-mix. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.

### 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.

### 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 pre-

vious 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.

### LIMITATION

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.

### LEGAL DISCLAIMER

Prior to each use of any product of UCI NA LLC., its subsidiaries or affiliates ("UCoat It") the user must always follow the instructions and warnings on the product label, product data sheets and safety data sheets which are available on ucoatit.com or by calling 800-826-2848. Nothing contained in any UCoat It literature or materials relieves the user of the obligation to read and follow the instructions of each UCoat It product set forth in the product label, product data sheet and safety data sheet prior to use of the UCoat It product.

UCoat It warrants this product 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; User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive any labor costs. No other warranties express or implied shall apply including any warranty for a particular purpose. UCoat It shall not be liable under any legal theory for special or consequential damages.



PO Box 826  
Royal Oak, MI 48068  
www.UCoatit.com  
800-826-2848