Do-it Yourself Floor Coatings for a durable protective finish

UCoat®
Product Data Sheet

PRODUCT DESCRIPTION:

UCoat is a water based, low VOC, two part epoxy.

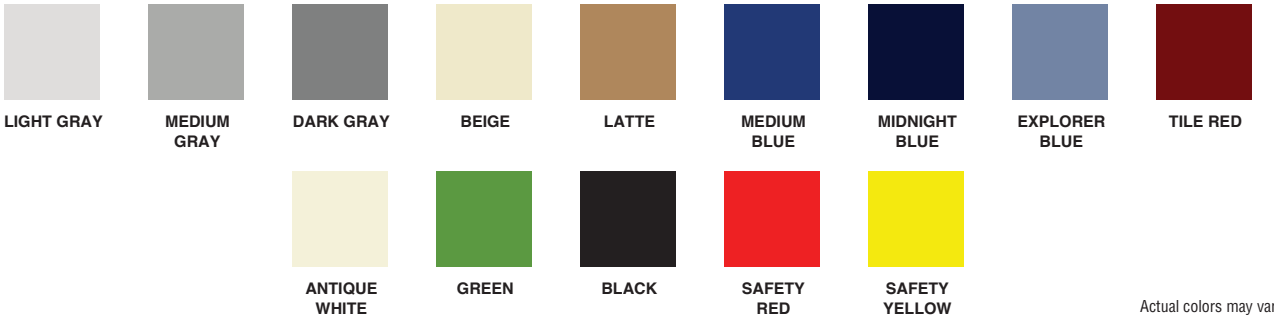
USES:

UCoat is designed as a primer for UCoat It epoxy and urethane coating systems. UCoat also can be used as a two coat standalone system. Can be applied to concrete or wood substrates.

ADVANTAGES:

- Applied directly to a wet-damp substrate
- Low VOC's
- Easy application
- Short recoat times

COLORS



Actual colors may vary

PRODUCT INFORMATION

PACKAGING	1 Gallon Unit	Part B .80 Gallon (US)	Part A .20 Gallon (US)
	5 Gallon Unit	Part B 4 Gallon (US)	Part A 1 Gallon (US)
FINISH CHARACTERISTICS	Satin/Semi-gloss		
SHELF LIFE	1 year in unopened containers		
SOLID CONTENT BY WEIGHT	Mixed = 55%		
SOLID CONTENT BY VOLUME	Mixed = 41%		
VOLATILE ORGANIC CONTENT	1.01 Pounds per gallon (mixed) / (regulatory VOC = 175g/l		

TECHNICAL INFORMATION

ABRASION RESISTANCE	Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 54 mg loss
IMPACT RESISTANCE	Gardner Impact, direct = 50 in.lb. (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
ADHESION STRENGTH	425 psi @ elcometer (concrete failure, no delamination)

APPLICATION INFORMATION

MIXING RATIO	Part B (.80 gallons, approximate) to Part A (.20 gallons, approximate)	
COVERAGE	up to 575 square feet @ 5-8 mils wet thickness per coat	
POT LIFE	60-90 minutes @68°F	
CURE SCHEDULE (68°F)	Tack Free (dry to touch)	4-6 hours
	Recoat or Top Coat	6-10 hours
	Light Foot Traffic	16-24 hours
	Full Cure (heavy traffic)	2-7 days

CHEMICAL RESISTANCE	Please contact a UCoat It Representative
IDEAL APPLICATION TEMPERTURE	55°F -90°F with relative humidity below 75%
PRIMER	None Required
TOP COAT	Optional – Many UCoat It products are suitable as topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, topcoat with a suitable aliphatic urethane.

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.

PRODUCT MIXING

This product comes pre-packaged by weight. Material should be mixed in their entirety. If partial kits are to be used, refer to the front of this technical data for proper weight mix ratios. After the two parts are combined, mixes well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. This product is an emulsion product and should be mixed well before using.

PRODUCT APPLICATION

The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. Apply material with relative humidity within the parameters shown on the technical data. When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step. Applications made at different times with differing environmental conditions, may show slight variations in gloss.

PRODUCT MIXING

If you opt to recoat or topcoat this product, you must first be sure that all of the solvents and water have evaporated from the coating during the curing process. The information on the front side of the technical data sheet are reliable guidelines to follow. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. 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 a UDegrease or UClean can be used to remove any blush.

LIMITATION

Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting. Product will yellow in the presence of UV light. For best results use a ½" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Product color will vary from batch to batch. Improper mixing or too thick of an application may result in product failure. Light or bright colors (white, safety colors etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate. Physical properties listed on this technical data sheet are typical values and not specifications.

LEGAL DISCLAIMER

Prior to each use of any product of UCI NA LLC., its subsidiaries or affliates ("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 reieves 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 anylegal theory for special or consequential damages.

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