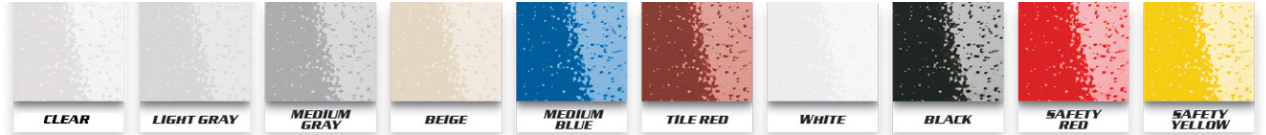




UGloss-AF[®] Technical Data Sheet

UGloss-AF is two component polyester/aliphatic polyurethane top coat that exhibits excellent characteristics for abrasion resistance, chemical resistance and flexibility. Suitable for heavy duty use in mechanical areas or professional repair facilities. UGloss-AF meets the VOC requirements for the newly enacted VOC laws of California, New York, Pennsylvania, New Jersey, and other states as an industrial maintenance coating.



Quick Facts

SOLIDS BY WEIGHT: Mixed= 73% (colors); 64% (clear) (+/- 2%)	ABRASION RESISTANCE: Taber abrasor CS-17 calibre wheel with 1000 gram total load and 500 cycles= 22.0 mg loss
SOLIDS BY VOLUME: Mixed= 70% (colors); 60% (clear) (+/- 2%)	IMPACT RESISTANCE: Gardner Impact, direct & reverse=160 in lb (passed)
VOLATILE ORGANIC CONTENT: VOC content is less than 335 g/l (mixed)	FLEXIBILITY: No cracks on a 1/8" mandrel
RECOMMENDED FILM THICKNESS: 3-5 mils per coat wet thickness (yields 2-3 mils dry)	ADHESION: 350 psi @ elcometer (concrete failure, no delamination)
COVERAGE PER GALLON: 320 to 500 square feet @ 3-5 mils wet thickness	VISCOSITY: Mixed= 200-600 cps (typical)
MIX RATIO: 2:1 Part 2 to Part 1	HARDNESS: Shore D= 62
SHELF LIFE: 1 year in unopened containers	DOT CLASSIFICATIONS: Part 1 "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII" - Part 2 "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"
FINISH CHARACTERISTICS: high-gloss (>70 at 60 degrees @ glossmeter)	

CURE SCHEDULE: (68F)

Pot life – 1.5 gallon volume	2-4 minutes
Tack free (dry to touch)	3-5 hours
Recoat or topcoat	5-9 hours
Light foot traffic	14-24 hours
Full cure (heavy traffic)	3-5 days

IDEAL APPLICATION TEMPERATURE:

45-90 degrees F. with relative humidity below 90%

CHEMICAL RESISTANCE:

REAGENT	RATING
Acetic Acid 5%	B
Xylene	D
MEK	A
Methyl Alcohol	B
gasoline	D
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric	D
10% Hydrochloric Acid	C
20% Nitric Acid	B
Ethylene Glycol	D

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - 7 Day exposure, F - long term immersion.

PRIMER: UCoat

TOPCOAT: None Recommended.

LIMITATIONS: Colors or clarity for clear may be affected by high humidity, low temperatures, or chemical exposure. All new concrete must be cured for at least 30 days. Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide. Colors may vary from batch to batch. Tire contact may cause discoloration or staining. 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:** UGloss-AF has a mix ratio of 2 parts 2(Base) to 1 part 1(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. Improper mixing may result in product failure.
- 3) PRIMING:** Use UCoat.
- 4) PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. Direct sunlight or high temperatures may cause visible roller marking during application. Too thick of an application may result in product failure. Exposure to certain types of lighting such as sodium vapor lights may cause the product to discolor. Applications with relative humidity higher than 90% and/or poor air circulation may cause improper/prolonged cure and surface tackiness.
- 5) RECOATING OR TOP COATING:** Multiple coats of UGloss-AF are acceptable. However, if you opt to recoat or topcoat, you must first be sure that all of the solvents have evaporated from the coating during the curing process. It is best to test the coating before recoating or top coating. 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 application of the coating can be started. Also, it is advisable to scuff sand the previous coat to insure a trouble free bond.
- 6) CLEANUP:** Use ketone solvents.
- 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.