



UGlaze® Technical Data Sheet

UGlaze is a water based two component, non-yellowing, aliphatic polyurethane coating. UGlaze provides excellent chemical and abrasion resistance, while providing anti-microbial properties making it suitable for food service areas. Also can be used as an anti-graffiti coating for use in such structures as subways, bus and railway stations, parking structures, highway retaining walls and bridge structures, schools, hotels, airports and building facades. UGlaze is typically used as a standalone coating over concrete or wood or as a topcoat.

Quick Facts

SOLIDS BY WEIGHT: Mixed = 55%	ABRASION RESISTANCE: Tabor 1,000 Rev. 20 mgs CS 17 Wheel, 1000g
SOLIDS BY VOLUME: Mixed = 55%	IMPACT RESISTANCE: ASTM D2794 Direct >160 in-lbs Reverse >160 in-lbs
VOLATILE ORGANIC CONTENT: 1.01 pounds per gallon (mixed) (regulatory VOC = 175g/l)	ULTIMATE ELONGATION: ASTM D412 20%
RECOMMENDED FILM THICKNESS: 6 - 12 mils per coat wet thickness, no more than 15 mils thick.	TEAR RESISTANCE: ASTM D1004 180 pli
COVERAGE PER GALLON: 300-400 square feet per gallon @ 6-12 mils as a topcoat. 120-175 square feet per gallon @ 6-12 mils as a standalone over porous to semi-porous substrate.	TENSILE STRENGTH: 8,000 psi @ ASTM D412
MIX RATIO: 2:1 Part A to Part B	HARDNESS: Shore D= 50
SHELF LIFE: 6 months in unopened containers. Keep from freezing.	DOT CLASSIFICATIONS: Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"
FINISH CHARACTERISTICS: Gloss (60-90 at 60 degrees @ glossmeter)	

CURE SCHEDULE: (68F)

pot life – 1 gallon volume 1-3 hours
tack free (dry to touch)..... 6-10 hours
recoat or topcoat/Light Traffic..... 6-10 hours
full cure (heavy traffic)..... 16-24 hours

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	D
MEK	N/A
Methanol	C
Ethyl alcohol	C
Mineral Spirits	F
Skydrol	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	E
50% Sulfuric Acid	E
10% Acetic Acid	E

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: None required

TOPCOAT: No topcoat recommended.

LIMITATIONS: Keep from freezing. Limit thickness to 15 wet mils per coat. Application must be to a clean, dry substrate. Apply at temperatures above 50°F. For best results, apply with a 3/8" nap roller.



Mixing and Application Instructions

- 1) PRODUCT STORAGE:** Keep from freezing. 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.
- 2) PRODUCT MIXING:** This product 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.
- 3) 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. If material is over applied exceeding 15 mils thick product may foam as dry occurs.
- 4) RECOATING OR TOPCOATING:** If you recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. However, if you exceed full cure time previous coat 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.
- 7) CLEANUP:** Use xylol
- 8) 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.
- 9) 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/install 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.