



WATERBASED URETHANE

2-COMPONENT, 3 TO 1 MIX RATIO



epoxyplus
Epoxy coatings plus a whole lot more.

PRODUCT DATA

Volumetric Ratio	3 to 1
Solids Content	54%
Coverage	200 -250 SF/gal.
Pot Life	3 hours
Pot Life is reduced by increasing temperature and/or mass.	
Cure times	(78 degrees, 30% R.H)
Dry to Touch	4 - 6 hours
Recoat	10 -12 hours
Light Traffic	18 -24 hours
Full Cure	5 -7 days
Higher Temp & Lower humidity will accelerate cure times.	
Lower temp & higher humidity will lengthen cure time.	
VOC	47g/l
Performance Properties	
Gloss, Clear	91
Pendulum hardness	182
Tabor Abrasion-1000gm.Load	
1000 cycles, CS17 Wheel	32mg.loss
Colors	Clear
Finish	Gloss
Packaging 1 Gallon Kit:	
Part A	96 oz (3 quarts)
Part B	32 oz (1 quart)
Packaging 4 Gallon Kit:	
Part A	3 gal
Part B	1 gal

SURFACE PREPARATION

Prepare surface by sanding, grinding, dry or wet sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow the product to penetrate the surface. Bead or shotblasting is the most reliable method of preparation. Clean surface entirely with TSP and rinse completely with water several times. Concrete surface can be acid etched and then must be neutralized and rinsed. Acid etching does not clean the surface.

MILDEW

DO NOT PAINT OVER MILDEW. Mildew is a fungus, brown, black, gray or even white in color, and will rapidly grow through any coating applied over it. A solution of 50% household bleach and 50% water will kill the mildew. See precautions on bleach label for handling before using.

PRODUCT DESCRIPTION

A premium high solids 2-component water base urethane provides the equal superior performance to Polyaspartic without any odor, health or environmental issues. Epoxy Plus Waterbased Urethane (WBU) is VOC compliant in California. It is a hard, durable coatings that features good gloss, superior abrasion resistance and UV resistance. Epoxy Plus WBU has been formulated to offer a high performance finish coat for seamless flooring, coatings and architectural concrete applications where odor and health concern are sensitive. Typical areas of application are clean rooms, hospitals, grocery stores, walkways, garage floor, parking structure, air.craft hangers and automotive repair facilities. Satin finish is available.

ADVANTAGES

Unsurpassed adhesion. Easy clean-up. Long pot life (3 hours). Excellent coverage-hide.

INSPECTION

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed up or porous. This product is designed for use over untreated concrete surfaces free from wax, dusting preventive sealers, deep penetrating sealers, bond breaking compounds and release agents and other similar chemicals that will interfere with proper adhesion and lead to premature coating failures.

MIXING

MIX 3 PARTS "A" WITH 1 PART "B" IN BATCHES NO LARGER THAN 1 GALLON AT A TIME EXCEPT AS NOTED ABOVE UNDER "SELF PRIMING REQUIREMENTS".

Top Coat: In a clean and dry bucket, mix 3 parts A and 1 part B together using an agitator, jiffy mixer or stir stick. Mix slowly for at least 2 minutes or until completely combined. Prepare only the amount you can use in 2 hours at 78F. (Higher temperatures reduce work time). Do not leave the mixed material in the bucket longer than 4 hours.



TECHNICAL DATA SHEET

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APPLICATION INSTRUCTIONS

For best results on horizontal surfaces, pour the entire mixture evenly onto the surface as soon as possible after mixing.

Use a 3/8" nap roller or squeegee to spread mixture over the surface, backrolling the area to be coated. For best results apply at least 2 coats at 200 -250 sq. ft. per gallon.

Clean tools with soap and water before curing begins.

To increase skid resistance, stir in an approved non-skid additive into your A & B mixture.

COVERAGE

Three (3) mil dry film at 200 sq. ft. per gallon. Six (6) mil dry film at 100 sq.ft. per gallon .

THINNING

Materials are typically applied as received, but may be thinned with water up to 10% during application to keep a low viscosity. Any reduction water must be added after part A and B have been drill mixed.

CONCRETE SURFACE PREPARATION

Concrete surfaces should be clean, dry, and free of disintegrating chalky material or previously applied coatings to insure satisfactory results. To increase adhesion, dense or machine trowelled concrete surfaces should be prepared mechanically as described in surface preparation or etched with a solution of one part muriatic acid and two-parts clean water.

The surface profile should resemble 80 grit sandpaper to be suitable for coating. Neutralize the surface by applying a mixture of 1 lb. baking soda mixed into 1 gal of water and rinse thoroughly. Clean all surfaces with T.S.P. and rinse with clean water.

DRYING TIME/CURE TIMES

Under normal Conditions (70°F & 50% Humidity) dries to touch in 4 to 6 hours depending on formulation. May be recoated when dry to the touch.

Do not apply to surfaces when ambient or surface temperatures are below 50°F. Higher temperatures and lower humidity will accelerate cure times and reduce working time.

APPLICATION IN EXTREMELY HOT WEATHER

1. Dampen the floor surface to be coated. (Do not saturate)
2. In a large bucket, mix and prepare no more than a 1 gallon kit at time.
3. Pour entire mixture evenly onto the horizontal surface to be coated.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps.

Epoxy PlusFlooring recommends the use of angular slipresistant aggregate in all cfllooaotrininggs soyrstems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Epoxy Plus or its sales agents will not be responsible for injury incurred in a slip and fall accident.



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Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARRANTY

Epoxy Plus products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.

KEEP OUT OF REACH OF CHILDREN

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the 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. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

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 this 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. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY.

BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.