

## P-WU : WATER-BASED POLYURETHANE GLOSS/MATTE

# TECHNICAL DATA SHEET

### DESCRIPTION

PUREPOXY P-WU is a two-component waterborne polyurethane topcoat. It provides an outstanding appearance, good chemical and scratch resistance, and excellent physical properties. PUREPOXY P-WU is ready to use and requires no additional water at the job site. Ideal for protecting epoxy, metallic systems, and concrete.

Available in both gloss and matte finishes, which allows you to personalize your flooring to perfection.

### ADVANTAGES

- Fast drying
- Early water resistance
- Long pot life for ease of application
- Excellent adhesion properties
- Superior chemical resistance
- Superior UV resistance
- Outstanding appearance

### TECHNICAL DATA

<b>PACKAGING</b>	1 US gal (3.78L) Short-filled 1 gal A + 1 Qt B
<b>COLOR</b>	PART A: White/Milky PART B: Clear/Amber Mixed: White/Milky
<b>RECOMMENDED APPLICATION THICKNESS<sup>1</sup></b>	4 - 6 mils (400 - 600 sq. ft./gallon)
<b>SHELF LIFE</b>	12 months in original unopened factory sealed container. DO NOT ALLOW TO FREEZE. <sup>2</sup> Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.
<b>MIX RATIO, BY VOLUME</b>	A : B = 4A : 1B
<b>MIX RATIO, BY WEIGHT</b>	A : B = 100A : 25B
<b>POT LIFE, 16 oz (500g) MASS</b>	~1 - 3 hours @ 77°F (25° C)
<b>THINNING</b>	Not Recommended, Do Not Thin

<sup>1</sup> Substrate porosity and surface texture may increase coverage rates and mil thickness, and may require more material.

<sup>2</sup> Product contains water. Do not allow to freeze. Frozen material is unusable, dispose in environmentally responsible manner.

## PROPERTIES

@ 73°F (23°C) AND 50% RH.

<b>SOLIDS CONTENT, x VOLUME</b>	Gloss 35% Matte 40%
<b>VOC GLOSS &amp; MATTE FORMULA</b>	49.4 g/l
<b>THINNING</b>	None, Thinning Not Recommended
<b>CURE TIMES</b>	
<b>RECOAT</b>	~4 - 6 hours
<b>FOOT TRAFFIC</b>	~12 - 24 hours
<b>FULL TRAFFIC</b>	~24 - 48 hours
<b>HEAVY WHEELED TRAFFIC</b>	>72 hours
<b>GLOSS</b>	GLOSS FORMULA 92 GU MATTE FORMULA 50 GU

Stated cure and recoat times are ~approximate and will be affected by changing temperature & humidity.

<b>RESISTANCE TO COMMON CHEMICALS Gloss &amp; Matte</b>	
<b>MEK</b>	<b>PASS</b>
<b>HAND SANITIZER</b>	<b>PASS</b>
<b>SULFURIC ACID / ACETIC ACID</b>	<b>FAIL / PASS</b>
<b>GASOLINE</b>	<b>PASS</b>
<b>BRAKE FLUID</b>	<b>FAIL</b>
<b>MUSTARD</b>	<b>FAIL</b>
<b>IODINE</b>	<b>FAIL</b>
<b>MOTOR OIL</b>	<b>PASS</b>
<b>TRANSMISSION FLUID</b>	<b>PASS</b>
<b>RED WINE</b>	<b>PASS (MAY STAIN)</b>

## SURFACE PREPARATION

PUREPOXY P-WU is intended as a finish coat on compatible base coat. This product is not intended or recommended for direct-to-concrete applications. Apply to new base coats within the recommended recoat window for the base coat material. If recoat window is exceeded, prepare the surface by abrasive sanding or grinding as necessary.

Existing, well-adhered compatible coatings may be prepared by sanding or grinding to produce a uniformly open, gloss-free surface. Ensure the complete removal of any residual oil, grease, wax or other foreign substance. Solvent wipe if necessary.

Do not apply to visibly damp or wet substrates.

Thoroughly vacuum prepared surface to remove all dust just prior to application. Protect prepared surface against contamination prior to application of product.

## MIXING

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Precondition all components for 24 hours to ambient temperatures. **PE P-WU** kit comes in a one [1] gallon complete unit, short-filled 1 gallon pail and 1 quart Part B activator. Mechanically mix only, do not mix by hand. Using a Jiffy/Jiffler, or similar type mixing attachment and slow-speed drill, slowly mix the components being careful not to introduce excessive air.

Mix for 3 minutes. Ensure all material is scraped by side wall and bottom of mixing container. Apply material to floor immediately after mixing. Delay in distributing product will result in exothermic heat buildup in container.

## APPLICATION

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The recommended application method is the use of non-marking straight-bladed rubber squeegee and roller application.

18-inch rollers are recommended on larger area floors to reduce lap marks. Roller should have solvent-resistant phenolic core, with high quality non-shedding fiber covers. Use 1/4-inch nap. Quality brushes or wall-edgers may be used for cutting in margins.

Roll material in two directions to achieve uniform film. Finish roll in one direction, typically at right angles to primary sight-line when entering room.

## CLEAN UP

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Clean tools with water followed appropriate solvent before curing. Cured material is very difficult to remove. Clean any spills and splashes before curing.

## LIMITATIONS

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- Prior to application, measure and confirm the ambient temperature and humidity conditions of air and substrate
- Measure and confirm temperature of material. Precondition material for 24 hours prior to mixing
- Minimum/Maximum substrate temperature at application: 50°F (10°C) / 86°F (30°C)
- Maximum relative humidity during application and curing : 80%
- Substrate must be 5.5°F (3°C) above dew point. Ensure conditions will not change during application and curing
- Not recommended for exterior applications or where exposed to direct sunlight, yellowing and discoloration may occur
- Do not apply to porous surfaces, water entrapment may occur
- Protect from moisture and condensation for 24 hours after application
- Avoid use of strong acidic or base cleaners, use mild neutral cleaners with clean water rinse
- For professional use only by experienced personnel

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION

Prior to each use of any product manufactured by A.P Nonweiler/PurEpoxy, its subsidiaries or affiliates, the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at <https://purepoxy.com/documentations/> or by calling A.P Nonweiler. Nothing contained in any A.P Nonweiler/PureEpoxy literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the A.P. Nonweiler/PurEpoxy product.

## WARRANTY STATEMENT

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