

P-WU - WATER BASED POLYURETHANE GLOSS/MATTE

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. **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 dry try time minimizing down time
- Long pot life for ease of application
- Chemical and UV resistance
- Clear finish that enhances underlying surfaces

RECOMMENDED USES

- Retail spaces, showrooms
- Office buildings
- Conference rooms
- Concrete floors in interior spaces

PACKAGING	1 US ga. Kit Part A: short filled ga. Part B 1 quart
COLOR	PART A: White PART B: Clear
RECOMMENDED APPLICATION THICKNESS¹	4 - 6 mils WFT (400 - 267 sq.ft./ga.)
SHELF LIFE	12 months in original unopened factory sealed container. DO NOT ALLOW TO FREEZE. ² Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.
POT LIFE, 16 oz (500g) MASS	~20-30 @ 77°F (25° C)

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

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

Thinning: Not recommended, do not thin.

PROPERTIES @ 73°F (23°C) AND 50% RH.

VOC (GLOSS & MATTE FORMULA)	49.4 g/L
CURE TIMES	
RECOAT	~4 - 6 hours
FOOT TRAFFIC	~12 - 24 hours
FULL TRAFFIC	~24 - 48 hours
HEAVY WHEELED TRAFFIC	>72 hours

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

APPLICATION

- 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 all tools and materials with the cleaner/thinner for water based urethanes.

SURFACE PREPARATION

PurEpoxy P-WU 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

- Precondition all components for 24 hours to ambient temperatures.
- PE P-WU kit comes in a one [1] gallon complete unit, shortfilled 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.

LIMITATIONS

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.
- Do not allow material to freeze. Frozen material cannot be recovered and must be disposed of.
- Minimum/Maximum substrate temperature at application: 45°F (7.2°C) / 85°F (30°C).
- Maximum relative humidity during application and curing: 80%.
- Substrate must be 5°F (3°C) above dew point. Ensure conditions will not change during application and curing.
- Observe concrete moisture limitations stated in Concrete Moisture section.
- On porous, non-concrete substrates, ensure that there will be no moisture penetration on positive side.
- Protect from moisture and condensation for 24 hours after application.
- Do not apply to substrates exhibiting or tested positive for alkali silica reaction (ASR).
- Do not use propane or kerosene fueled heaters. Permanent discoloration of coating may occur.
- For professional use only by experienced personnel.
- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**

Prior to use of any product manufactured by APN Specialty Coatings, 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/> or by calling 920-231-0850.

HEATH & SAFETY

Obtain and wear all required personal protection equipment (PPE.) In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse.

WARRANTY STATEMENT

APN Specialty Coatings Inc. warrants that products delivered to purchasers are manufactured free from material defects and workmanship flaws in accordance with APN Specialty Coatings Inc. published specifications, provided installation follows APN Specialty Coatings Inc. recommended procedures. APN Specialty Coatings Inc. disclaims liability for any damages arising from improper product usage that deviates from its intended purpose or fails to comply with APN Specialty Coatings Inc. installation standards. APN Specialty Coatings Inc. assumes no liability regarding product installation and processing methods. This technical data information serves as general reference material only. Prior to any installation work, please reach out to your regional PurEpoxy Representative or contact our Technical Service team for professional guidance.