PP-S89 - HIGH PERFORMANCE POLYASPARTIC TOPCOAT

DESCRIPTION

PUREPOXY PPS-89 Polyaspartic Top Coat is a high-performance, two-component coating system with 85% solids content designed for decorative flooring applications. When paired with PurEpoxy PP-B100 Polyurea Base Coat, it creates a fast-curing, UV-resistant flooring system ideal for colored quartz aggregate or vinyl mosaic flake finishes. The coating features abrasion, chemical and stain resistance, and weathering durability. It provides a water-clear, non-yellowing finish that preserves the aesthetic appeal of decorative floors.

ADVANTAGES

- Long working time
- Exceptional UV resistance
- Very flexible
- Fast drying in thin film
- Excellent chemical and stain resistance
- Superior weathering and abrasion resistance

RECOMMENDED USES

- Garages
- Kitchens
- Showrooms
- Locker rooms
- Office spaces
- Retail areas
- Restaurants/Bars

PACKAGING	10 US ga. kit (2x5 ga.) (37.85 L)
COLOR	Clear
RECOMMENDED THICKNESS[1]	Solid Color: 300 - 350 sq.ft. /ga. (5.3 - 4.6 mils WFT) Flake or Quartz: 150 - 200 sq.ft. /ga. (10.7 - 8 mils WFT)
SHELF LIFE	12 months in original unopened factory sealed container. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.
MIX RATIO, BY VOLUME	A : B = 1A : 1B
POT LIFE, 16 oz (500g) MASS	Winter Formula ~30 mins @ 55º - 65ºF (12.5 - 18.3ºC) Summer Formula ~30 mins @ 75º - 85ºF (24.3 - 29.5ºC) Extreme Heat Formula ~30 mins @ 85º - 95ºF (29.5 - 35ºC)
WORKING TIME	~45 - 60 mins @ 75ºF (25º C)*
VOC	100 g/L

* May vary depending on humidity and air movement.

SURFACE PREPARATION

Achieving optimal adhesion requires a clean, mechanically prepared substrate. Substrate must have minimum Concrete Surface Profile (CSP) of 3-4.

- Please refer to PurEpoxy Surface Preparation Guidelines SPG1

PROPERTIES @ 73°F (23°C) AND 50% RH.

CURE TIME	SEASONAL FORMULA	MINIMUM	MAXIMUM
RECOAT WINDOW	WINTER @ 55º - 65ºF (12.5 - 18.3ºC)	~2 hours	~8 hours
	SUMMER @ 75º - 85ºF (24.3 - 29.5ºC)	~2hours	~8 hours
	EXTREME HEAT @ 85º - 95ºF (29.5 - 35ºC)	~2 hours	~8 hours
FULL CURE	WINTER @ 55º - 65ºF (12.5 - 18.3ºC)	~16 hours	~24 hours
	SUMMER @ 75º - 85ºF (24.3 - 29.5ºC)	~16 hours	~24 hours
	EXTREME HEAT @ 85º - 95ºF (29.5 - 35ºC)	~16 hours	~24 hours
HARDNESS, (SHORE D), ASTM D2240	82		
ABRASION RESISTANCE ASTM D4060	60		
GLOSS (Top Coat) ASTM D523	90+		

Stated curing times are approximate and depend on ambient conditions, temperature, and humidity. Higher temperatures and/or humidity will decrease working times.

MIXING

Precondition all components for 24 hours to ambient temperatures. In clean mixing pail, mix measured parts. For clear mix, (1A : 1B). Mechanically mix only, do not mix by hand. Do not mix more material than can be applied in the working time window. Using a Jiffy/Jiffler, or similar type mixing attachment, 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.

Do not mix or apply product below ambient dew point, introduction of moisture will shorten pot life and working time.

APPLICATION

The recommended application method is the use of non-marking rubber squeegee and roller application. Notched squeegees of the appropriate notch depth may be used for thicker applications.

18-inch rollers are recommended on larger area floors to reduce lap marks. Roller should have solvent-resistant phenolic core, high quality non-shedding fiber covers. Use 1/4-inch to 3/8-inch nap, depending on final finish and thickness desired. Quality brushes or wall-edgers may be used for cutting in margins.

Distribute material evenly with non-marking (gray EPDM type, or similar) rubber flat squeegee. Apply even film at desired thickness. 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.

- Avoid puddles of material
- Do not apply above recommended thickness

CLEANING

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

LIMITATIONS

- Precondition material for 24 hours prior to mixing.
- Prior to application, measure, and confirm the ambient temperature and humidity conditions of air and substrate.
- Measure and confirm temperature of material.
- Do not allow material to freeze. Frozen material cannot be recovered and must be disposed of.
- Minimum/Maximum substrate temperature at application: 45ºF (7.2ºC) / 85ºF (30ºC).
- Maximum relative humidity during application and curing: 80%.
- Substrate must be 5ºF (3ºC) above dew point.
- Ensure conditions will not change during application and curing.
- 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.
- **KEEP CONTAINER TIGHTLY CLOSED**

Prior to use of any product manufactured by APN Performance 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 Performance Coatings Inc. warrants that products delivered to purchasers are manufactured free from material defects and workmanship flaws in accordance with APN Performance Coatings Inc. published specifications, provided installation follows APN Performance Coatings Inc. recommended procedures. APN Performance Coatings Inc. disclaims liability for any damages arising from improper product usage that deviates from its intended purpose or fails to comply with APN Performance Coatings Inc. installation standards. APN Performance 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.

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