

PP-B100 - HIGH PERFORMANCE POLYURETHANE BASE COAT

DESCRIPTION

PP-B100 is a fast curing hybrid polyurethane base coat. 100% solids, low VOC base coat for color quartz or vinyl mosaic flake broadcast. It comes pre-pigmented for easy mixing and application. It is designed to be used in conjunction with **PP-S89** for a fully compatible, seamless, fast-curing flooring system for a wide variety of applications.

PP-B100 is solvent-free and safe for interior applications, and offers rapid turn-around and return to service.

ADVANTAGES

- Low odor
- Fast curing, tack-free in 3 - 6 hours¹
- Contains no solvents, safe interior applications
- May be top-coated in 4 - 8 hours
- Available in standard and accelerated formulas for ease of use in varying temperatures.

MIX RATIO	2A : 1B
PACKAGING	3 US ga. (3x1 ga.)
COLOR	Pre-pigmented Tan or Gray
RECOMMENDED THICKNESS	10-12 mils WFT (~132-160 sq.ft./ga.)
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.
POT LIFE, 16 oz (500g) MASS	Winter Formula ~35 minutes @ 55° - 65°F (12.5 - 18.3°C) Summer Formula ~35 minutes @ 75° - 85°F (24.3 - 29.5°C) Tropical Formula ~35 minutes @ 85° - 95°F (29.5 - 35°C)
VOC	8.6 g/L
SOLIDS CONTENT BY WEIGHT	100%

¹ Higher humidity and air movement will shorten working & cure time. Actual recoat times depend on seasonal formulation.

² Application in excess of 10-12 mils WFT (~132-160 sq.ft./ga.) may result in foaming.

*Thinning is not recommended.

PROPERTIES

	SEASONAL FORMULA	MINIMUM	MAXIMUM
RECOAT WINDOW	WINTER @ 55° - 65°F (12.5 - 18.3°C)	~2 hours	~8 hours
	SUMMER @ 75° - 85°F (24.3 - 29.5°C)	~2hours	~8 hours
	TROPICAL @ 85° - 95°F (29.5 - 35°C)	~2 hours	~8 hours
FULL CURE	WINTER @ 55° - 65°F (12.5 - 18.3°C)	~8 - 16 hours	~16 hours
	SUMMER @ 75° - 85°F (24.3 - 29.5°C)	~8 - 16 hours	~16 hours
	TROPICAL @ 85° - 95°F (29.5 - 35°C)	~8 - 16 hours	~16 hours
TENSILE STRENGTH	>350 psi (Concrete substrate failure)		
HARDNESS, (SHORE D), ASTM D2240	70		
ABRASION RESISTANCE ASTM D4060	55 mg loss		

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

SURFACE PREPARATION

Concrete substrates should be cured for a minimum of 30 days and have a minimum compressive strength of 3,500 psi. Surfaces must be clean, sound, solid and properly prepared substrate. Remove all surface contamination. Prepared surface must be clean and dust free prior to application.

Preparation method should produce a uniform surface profile of CSP 3-4 (ICRI Guide 310.2R). Do not apply to wet or damp substrates. Test for concrete moisture before application.

CONCRETE MOISTURE

Test for concrete moisture in accordance with ASTM F2170–19. If moisture is indicated to be in excess of 80% RH, apply a moisture vapor barrier (PE MVB) system per PE MVB data sheet.

MIXING

Precondition all components for 24 hours to ambient temperatures. Premix pigmented A component for a minimum of 3 minutes to ensure uniform pigment dispersion. In clean mixing pail, mix Part A and Part B (2A : 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, 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. Delay in distributing product will result in exothermic heat buildup in container.

CLEAN UP

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

APPLICATION

- The recommended application method is the use of non-marking rubber squeegee and roller application.
- 18-inch rollers are recommended on larger area floors to reduce lap marks
- 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.
- Roller should have solvent-resistant phenolic core, high quality non-shedding fiber cover.
- Distribute material evenly with non-marking (gray EPDM type, or similar) rubber flat squeegee.
- Apply an even film at the desired thickness (10-12 mils WFT).
- 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.

LIMITATIONS

- **For professional use only by experienced personnel**
- Prior to application, measure the ambient temperature and humidity of air and substrate.
- Precondition material for 24 hours prior to mixing. Confirm temperature of material.
- Minimum 45°F maximum 85°F substrate temperature at application.
- Maximum relative humidity during application and curing: 80%.
- Substrate must be 5°F 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 testing positive for alkali silica reaction (ASR).
- Do not use propane or kerosene fueled heaters. Permanent discoloration of coating may occur.
- **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**.

WARRANTY STATEMENT

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