

DESCRIPTION

PP-B100 is a two-component, 95 % solids, VOC compliant, polyurea hybrid that was developed as a primer/basecoat for a variety of coating systems. It provides outstanding adhesion on a large number of substrates and performs well in a wide range of temperature conditions. This system has been approved by the Canadian Food Inspection Agency (CFIA).

PRIMARY APPLICATIONS

- Aircraft hangar floors
- Automotive shops
- Bathrooms and locker roomss
- Bridge decks and pillars
- Car washes or wash bays
- Industrial shop floors
- Maintenance facilities
- Offshore platforms
- Primer/ Basecoat for use on concrete, wood, and block
- Sidewalks and walkways
- Wall coatings over sheetrock, wood and concrete
- Wastewater treatment applications

ADVANTAGES

- Displays moderate cure times with excellent adhesion
- Easy to mix 2:1 ratio
- Emits virtually no odors and can be applied indoors
- Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate
- Long open times allow for self-leveling capabilities and increased hiding power as well as broadcasts of decorative aggregate
- Long pot life (35 to 45 min)
- VOC compliant in all 50 states and Canada

TECHNICAL DATA

PACKAGING	11.35 L (3 US GAL.)		
COLOR	PART A UPON REQUEST	PART B LIGHT YELLOW	MIX UPON REQUEST
RECOMMENDED THICKNESS	PP-B100 - 8 MILS (200 FT ² /GAL)		
SHELF LIFE	12 MONTHS IN ORIGINAL UNOPENED FACTORY SEALED CONTAINERS. KEEP AWAY FROM EXTREME COLD, HEAT, OR MOISTURE. KEEP OUT OF DIRECT SUNLIGHT AND AWAY FROM FIRE HAZARDS.		
MIX RATIO, BY VOLUME	A:B = 2:1		
MIX RATIO, BY WEIGHT	A:B = 100:59		
POT LIFE (454 G)	35 - 45 MINUTES @ 25°C		

PROPERTIES @ 23°C (73 °F) AND 50% R.H.

SOLIDS CONTENT		PART A	PART B	MIX
	BY WEIGHT	92	100	95
SOLIDS CONTENT		PART A	PART B	MIX
	BY VOLUME	94	100	96
DENSITY (KG/L)		PART A	PART B	MIX
		1.03	1.22	1.09
THINNER RECOMMENDED	XYLENE			
DRYING TIMES		12 HOURS MAXIMUM		
	RECOAT WINDOW	12 HOURS MAXIMUM		
	PEDESTRIAN TRAFFIC	8 - 12 HOURS		
	NORMAL TRAFFIC	24 - 48 HOURS		
	HEAVY EQUIPMENT TRAFFIC	> 48 HOURS		
BOND STRENGTH (PSI), ASTM D4541	>500 (SUBSTRATE RUPTURES)			
WATER ABSORPTION (%), ASTM D570	0.2			
ABRASIVE RESISTANCE (MG LOSS) (CS17 / 1000 CYCLES/ 1000 G), ASTM D4060	31			
HARDNESS (SHORE D), ASTM D2240	75 - 78			
FLEXIBILITY, 1/8" MANDREL, ASTM D1737	PASSE			
VISCOSITY @ 25°C (CPS)		PART A	PART B	MIX
		2500 - 3500	150 - 250	900 - 1100

PROPERTIES @ 23°C (73 °F) AND 50% R.H.

TEAR STRENGTH (PLI), ASTM 2240	355
TENSILE STRENGTH (PSI), ASTM D638	3800
ELONGATION %, ASTM D638	200

* Please note, that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage. *

** Please note that the indicated viscosity is for clear product only. Any addition of colorant may affect the viscosity. **

SURFACE PREPARATION

OLD CONCRETE

CONCRETE SURFACE MUST BE CLEANED. BLASTAC, SAND BLASTING, DIAMOND GRINDER W/30 GRIT OR COARSE, OR WATER BLASTING IS HIGHLY RECOMMENDED TO REMOVE SURFACE CONTAMINATES. ANY OILS AND FATS MUST BE REMOVED PRIOR TO PRODUCT APPLICATION. ACID ETCHING MAY BE REQUIRED (FOLLOWED BY A THOROUGH RINSING) TO OPEN THE PORES OF THE CONCRETE TO ACCEPT A PRIMER. DO NOT APPLY TO WET SUBSTRATES. CHLORIDE, MOISTURE, AND PH LEVELS SHOULD BE CHECKED PRIOR TO APPLICATION.

NEW CONCRETE

THE CONCRETE SHOULD BE ALLOWED TO CURE FOR A MINIMUM OF 30 DAYS. COMPRESSION RESISTANCE OF CONCRETE MUST BE AT LEAST 25 MPA (3625 LBS./INCH²) AFTER 28 DAYS AND TRACTION RESISTANCE MUST BE AT LEAST 1,5 MPA (218 LBS./INCH²). BLASTAC, SAND BLASTING, DIAMOND GRINDER W/30 GRIT OR COARSER OR ACID ETCHING (FOLLOWED BY A THOROUGH RINSING) IS REQUIRED TO REMOVE THE SURFACE LAITANCE THAT APPEARED DURING THE CURING PROCESS.

MIXING

Materials should be pre-conditioned to a minimum of 10°C prior to use. Thoroughly mix each component separately. Pour component B into component A using the proper mixing ratio of 2A:1B by volume. Mix both components for at least 1 minute using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.

APPLICATION

Apply mixed product on the prepared surface tightly (thin film) using a rubber rake and pass a roller to obtain a uniform coating. Avoid creating puddles.

OVERLAPS

Subsequent overlaps must be applied when primer is still wet or tacky. If primer has dried reprime. Porous substrates may require multiple priming.

CLEANING

Clean all tools and materials with appropriate cleaner before the product cures. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

RESTRICTIONS

- Minimum/Maximum temperature of substrate: 10°C / 30°C (50°F / 86°F).
- Maximum relative humidity during application and curing: 85%.
- Substrate temperature must be 3°C (5.5°F) above dew point measured.
- Humidity content of substrate must be < 4 % when coating is applied.
- Do not apply on porous surfaces where a transfer of humidity may occur during application.
- Protect from humidity, condensation and contact with water during the 24 hour initial curing period.

HEALTH AND SAFETY

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. For more information, consult the material safety data sheet.

Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.

Consult the material safety data sheet for further information.

IMPORTANT NOTICE

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