

PUTS-601-2K SB



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PU TOP SEAL EKSTERIOR

PRODUCT DESCRIPTION

POLYFLOOR PUTS-601-2K SB is a two component solvent-based, polyurethane floor coating designed to withstand exterior conditions.

FIELDS OF APPLICATION

- Exterior parking lot
- Gasoline station
- Drop off area
- Pedestrian track

PRODUCT FEATURES

- Excellent exterior durability (QSUN 1000 hours)
- Good abrasion resistance
- Easy to apply
- Smooth, satin finish
- Easy to clean
- Good solvent resistant

PRODUCT SPECIFICATION

Type	Two components solvent-based, polyurethane	
	Component A	Component B
	PUTS-601-2K SB	HARDENER PUTS-601
Color	Clear and color as shown in the color card	Clear liquid
Material consumption	0.20 Kg set/m ² for 100 micron DFT Recommended application 100 micron DFT (50 micron each coat)	
Drying time (@ 30°C)		
1. Surface dry	30 minutes	
2. Hard dry	12 hours	
3. Open traffic	24 hours for light traffic and 3 days for heavy traffic	
Packaging	5 and 20 Kg-set	
Storage stability	Two years in cool and dry storage (above freezing point) and in original unopened box.	
Mixing ratio by weight	Comp A : B = 4 : 1 w/w	
Pot life (@30°C)	30 minutes	
Application method	Rubber Squeegee followed by short hair roller	
Substrate	Concrete, asphalt.	
Application viscosity	Ready for Use	
Re-coating interval	5 hours until 3 days	
Application condition	T = 25-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying		

FILM PROPERTIES

Item	Result	Standard Test
Bonding Strength	: > 2.5 N/mm ² , concrete failure	ASTM D4541
Abrasion resistance	: 27 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D4060
Impact Resistant	: 60 cm, 1 Kg load	ASTM D-2794
Gloss level	: 20-30%	ASTM D523
Mohs Hardness	: 6	ASTM C1895
Gloss level	: 20-30%	ASTM D-523
Tyre Mark Resistant	: Good	ASTM WK14355
Scratch Resistance	: 96% gloss retention (after 100 cycles)	ASTM D-6279
Household and Chemical Resistance (24 hours exposure)		
• Water	: Good	Spotting method based on ISO 2812-4
• Alcohol	: Good	
• Red Wine	: Good	
• Vinegar	: Good	
• Turmeric	: Not Good (leave stain)	
• Liquid Soap	: Good	
• Gasoline	: Good	
• Brake liquid	: Good	
• Oil engine	: Good	
• H ₂ SO ₄ (30%)	: Good	
• HNO ₃ (65%)	: Not Resistance	

**all properties tested using panel that has been cured for at least 7 days @ 30°C*

OTHERS

Shelf life	: 24 months.
Storage and handling	: Store at maximum temperature 35°C. If store under elevated temperature will shorten the shelf life. Avoid from heat and direct sunlight.
Maintenance after application	: Sweep/vacuum the floor on regular basis, then mop the floor using non reactive cleaning agent. Avoid cleaning agent that contain : acid, peroxide, hypochlorite. If the floor need to be disinfected, use only hospital grade diinfectant that contain reactive agent NaDCC.

SURFACE PREPARATION

Make sure that compressive strength of floor structure as good as project design requirement. Surface must be structurally sound, clean, and free from loose particles, excessive oil, grease, and other contaminants. Clean excessive oil, grease and wax using scrubbing method by industrial grade detergent or degreasing compound followed by vacuum cleaning to remove all particle dirt. Moisture content of the substrate should be less than 4%. Higher moisture content will need additional treatment before applying this product. Consult our representative to select the right system for your needs.

APPLICATION INFORMATION

1. Mix **PUTS-601-2K SB** with **HARDENER PUTS-601** at mixing ratio A:B = 4:1 (w/w), using electrical mixer or appropriate method.
2. Apply the mixture on top of the primer/body coat.
3. Leave it dry for at least 5 hours, before applying the next coat.
4. Good ventilation and air circulation in working area is suggested.

SIMPLIFIED RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP and PRODUCT CODE	MIXING	RECOMMENDED COATING AMOUNT	CURING @ 30 °C.
Substrate: Concrete				
	Grinding 80# followed by cleaning			
1	Primer			
	PFP-221-2K SF BODY COAT	7	900 gr/m ² for 500 mic DFT	12 hours
	HARDENER PFP-221	1		
<i>*primer can use different series such as PFP-241-2K SB, PFP-251-2K SF, Consult our representative to select the right system for your needs.</i>				
2	Top Coat			
	PUTS-601-2K SB	4	100 gr/m ² for 50 mic DFT	5 hours
	HARDENER PUTS-601	1		
3	Top Coat (second layer)			
	PUTS-601-2K SB	4	100 gr/m ² for 50 mic DFT	5 hours
	HARDENER PUTS-601	1		

SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as goggles, masks, and gloves. For more information, please refer to our safety data sheet.

FIRST AID:

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.

DISCLAIMER

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