

PU CONCRETE PFT-613-3K MF WB

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PU CONCRETE PFT-613-3K MF WB is a 3 components water based polyurethane concrete flooring system, which has high compressive strength. PU CONCRETE PFT-613-3K MF WB has anti-microbial property which inhibits the growth of bacteria, fungi and molds. It provides :



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| 1. Water based green product (certified by Singapore Green Label SGLS-32) | 3. Good abrasion resistance |
| 2. Food grade (based on US FDA 21 CFR 175.300) | 4. Temperature resistance |
| 3. Odorless and anti-slip | 5. High impact resistance |
| | 6. Durable and low maintenance cost |

PRODUCT SPECIFICATION

Type	: Three components polyurethane self smoothing flooring system
Color	: Green, yellow, blue, grey, ivory, cream
Finish	: Matt
Solid mixture by volume	: 94 %
Specific gravity (mixture)	: 1.83 g/cc
Material consumption	: 5.70 kg/m ² for DFT = 3.0 mm
Flash point	: 220°C
Drying point	:
Surface dry	: 2 hours (30°C)
Hard dry	: 6 hours (30°C)
Full cure	: 7 days (30°C)
Packaging	: 26.8 kg-set
Storage stability	: 12 months for liquid part (A & B) 6 months for powder (C) stored in cool dry place and in the original packing
Mixing ratio by weight	: Comp A : B : C = 4.00 : 4.80 : 18.00
Pot life	: 15 minutes at 30°C
Thinner	: -
Application method	: Steel trowel and spike roller
Re coating interval	: 6 -16 hours (30°C)
Application temperature	: 25-35°C
Humidity maximum	
Provide adequate ventilation during application and drying	

TEST PERFORMANCE DATA

Compressive strength	: 55 N/mm ²
Bonding strength	: > 2.5 N/mm ² (concrete failure by ASTM D-4541)
Abrasion Resistance	: 1000 g, 1000 cycles, 60 RPM; wear index : 0.04 (ASTM D-4060 CS-10 Wheel)
Flexural strength	: 20 N/mm ² (28 days) (ASTM C-580)
Shore D Hardness	: 78 (7 days) (ASTM D 2240 / Shore D)

SURFACE PREPARATION

Compressive strength of concrete floor must be higher than 25 N/mm² (more than 28 days). Temperature of substrate must be more than 3°C above current dew temperature. Surface must be structurally sound, clean, and free from loose particles, oil, grease, and other contaminants. Clean oil, grease and wax using scrubbing method by industrial grade detergent or degreasing compound followed by mechanical cleaning. Use shot blasting, scarifying or grinding then followed by vacuum cleaning to remove all particle dirt.

Function	Product and Tools	Coating amount	Curing Time
Scratch coat	Stir comp A PFP-609-3K WB with low speed mixer, then mix Part B ± 30 seconds and add Part C to the mixture while stirring and mix well ± 1 minutes. Pour PFP-609-3K WB, spread using steel trowel.	0.80-1.00 kg-set/m ²	About 6-16 hours (overnight)
Top coat 3 mm DFT	Stir comp A PFT-613-3K MF WB with low speed mixer, then mix Part B ± 30 seconds and add Part C to the mixture while stirring and mix well ± 1 minutes. Pour PFT-613-3K MF WB, spread using steel trowel.	4.70-4.90 kg-set/m ²	Let it cure under protection from traffic access for at least 24 hours at 30°C and 3 days for vehicular traffic.

SAFETY PRECAUTION

This product does not contain aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream.

This product is non flammable.

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

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.