

## PFC-225-3K WB

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**PFC-225-3K WB** is a three component cementitious epoxy modified self smoothing flooring system with a matt surface finish. It has excellent temporary moisture barrier at 2 mm thickness, excellent adhesion to damp and green concrete. It provides :



U.S. FDA 21CFR 175.300

1. Excellent adhesion to damp and green concrete
2. Excellent resistance to water
3. Self-smoothing / good flow ability
4. Can be top coated with epoxy and other coating system after 24 hours

### PRODUCT SPECIFICATION

Type	: Three component cementitious epoxy water based flooring system.
Color	: White greyish
Finish	: Matt
Solid mixture by volume	: 86%
Specific gravity (mixture)	: 2.00 g/cc
Material consumption	: 4 kg-set/m <sup>2</sup> for 2 mm DFT
Drying time	:
Surface dry	: 3 hours (30°C)
Hard dry	: 24 hours (30°C)
Full cure	: 7 days (30°C)
Packaging	: 23 kg-set
Storage stability	: 12 months (Comp A & B) and 6 months (Comp C) stored in cool dry place and in the original packing
Mixing ratio by weight	: Comp A : B : C = 2 : 2 : 19
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	: 30 N/mm <sup>2</sup> (ASTM C-579)
Bonding strength	: > 1.5 N/mm <sup>2</sup> (ASTM D-4541)
Flexural strength	: 4.0 N/mm <sup>2</sup> (7 days) (ASTM C-580)

## SURFACE PREPARATION

Compressive strength of concrete floor must be higher than 25 N/mm<sup>2</sup> (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
Sealer	Use a low speed electrical stirrer/mixer to stir the material slowly before apply. Pour WBS-224-1K WB onto to the substrate and spread using epoxy roll or rubber squeegee. Allow curing time 5 - 15 minutes before applying next step.	0.2-0.3 set/m <sup>2</sup>	About 1-2 hours
Water Barrier	Polyfloor cement PFC-225-3K WB. Mix well component A and B using mixer ± 1 minutes. Pour the component C while stirring, mix slowly ± 1 minutes and apply with metal trowel. Mixing ratio component A : B : C = 2 : 2 : 19 by weight.	4.00 kg-set/m <sup>2</sup>	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.

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