

PFT-215 M-2K SF



The Best Epoxy Self Levelling Floor

PRODUCT DESCRIPTION

POLYFLOOR EPOXY PFT-215 M-2K SF is a two component solvent free, epoxy mastic, high impact self-smoothing floor topping.

FIELDS OF APPLICATION

- Commercial Building
- Car Park Area
- Warehouse
- Showroom
- Workshop
- Dry production area

PRODUCT FEATURES

- High impact resistant
- Food grade (US FDA 21 CFR 175.300)
- Solvent free
- Smooth and seamless
- Dust-proof and easy to clean
- Good abrasion resistant

PRODUCT SPECIFICATION

Type	: Two components solvent-free amine cured epoxy	
	Component A	Component B
	PFT-215 M-2K SF SERIES	HARDENER PFT-215
Color	: As shown in the color card	Clear yellowish liquid
Material consumption	: 0.9 Kg set/m ² for 500 micron DFT	
	Recommended application 500-1000 micron DFT	
Drying time (@ 30°C)	:	
1. Surface dry	: 4 hours	
2. Hard dry	: 12 hours	
3. Open traffic	: 24 hours for light traffic and 7 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 = 7 : 1 w/w	
Pot life (@30°C)	: 30 minutes	
Application method	: Rubber Squeegee, rubber roll and spike roll	
Substrate	: Concrete	
Application viscosity	: Ready for Use	
Re-coating interval	: 12 hours until 7 days	
Application condition	: T = 28-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying		

No. TD : 152
Revision : 04
Effective Date : 26/05/2025



FILM PROPERTIES

Item	Result	Standard Test
Compressive Strength	: 60 ± 3 N/mm ²	ASTM C-579
Bonding Strength	: > 2.5 N/mm ² , concrete failure	ASTM D-4541
Abrasion Resistant	: 22 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D-4060
Impact Resistant	: 100 cm, 1 Kg load	ASTM D-2794
Hardness	: 78 Shore D	ASTM D-2240
Gloss level	: 80-90%	ASTM D-523

**all properties tested using panel that has been cured for at least 28 days @ 30°C*

VOC content	: < 50 g/L	Categorize as low VOC according to California Air Resources Board (CARB)
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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	: 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 disinfectant 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 **PFT-215 M-2K SF** with **HARDENER PFT-215** at mixing ratio A:B = 7:1 (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 12 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	12 hours

	HARDENER PFP-221	1	for 500 mic DFT	
<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			
	PFT-215 M-2K SF RAL 6017	7	900 gr/m ² for 500 mic DFT	12 hours
	HARDENER PFT-215	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

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.