

PFT-215 M 2K SF EFC



POLYFLOOR EPOXY COLOR SAND

No. TD : P-313
Revision : 00
Effective Date : 26/09/2025

PRODUCT DESCRIPTION

POLYFLOOR EPOXY COLOR SAND is two components solvent-free (SF) amine cure epoxy self smoothing floor topping that contain decorative materials, already blended in for easier application.

FIELDS OF APPLICATION

- Interior decorative flooring
- Table top

ADVANTAGE

- Solvent Free
- Smooth finish, Easy to clean
- Food grade (US FDA 21 CFR 175.300)
- Excellent flow and easy to apply
- Good abrasion resistant
- Excellent adhesion
- Good chemical resistant
- Good fungus and biological resistant

PRODUCT SPECIFICATION

Type	: Two components solvent-free amine cure epoxy	
	Component A	Component B
	PFT-215 M-2K SF EFC	HARDENER PFT-215
Color	: As shown in the color card	Clear
Specific gravity	: 1.68 ± 0.04 gr/ml	0.98 ± 0.02 gr/ml
Solid by volume (mixture)	: 98 ± 1 %	
Flash point	: n.a.	
Material consumption	: 1.8 Kg set/m ² for 1000 micron DFT	
	Recommended application 1000-2000 micron DFT	
Drying time (@ 30°C)	:	
1. Surface dry	: 12 hours	
2. Hard dry	: 20 hours	
3. Open traffic	: 24 hours for light traffic and 5 days for heavy traffic	
Packaging	: 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	: 16-20 hours until 7 days	
Application condition	: T = 28-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying		

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	: < 21 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D-4060
Impact Resistant	: 50 cm, 1 Kg load	ASTM D-2794
Hardness	: > 80 Shore D	ASTM D-2240
Gloss level	: 85-95%	ASTM D-523

**all properties tested using panel that has been cured for at least 28 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	: 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 with 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 **POLYFLOOR PFT-215 M-2K SF EFC** 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 20 hours.
4. Good ventilation and air circulation in working area is suggested.

SIMPLIFIED RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	MIXING	RECOMMENDED COATING SYSTEM	CURING @ 30 °C.
Substrate: Concrete				
	Grinding 80# followed by cleaning			
1	Primer			
	POLYFLOOR PFP-221-2K SF BC	7	200 gr/m ² for 120 mic DFT	16-20 hours
	HARDENER PFP-221	1		
*primer can use different series such as POLYFLOOR PFP-241-2K SB, consult our representative to select the right system for your needs.				

2	Top Coat			
	POLYFLOOR PFT-215 M-2K SF EFC	7	1.800 gr/m ² for ~ 1000 mic DFT	16-20 hours
	HARDENER PFT-215	1		

SAFETY PRECAUTION

This product does not contain formaldehyde or heavy metals. 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.