



## PFT-213-2K SF



**POLYFLOOR EPOXY TOP COAT SOLVENT FREE**

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### PRODUCT DESCRIPTION

**POLYFLOOR EPOXY PFT-213-2K SF** is two components solvent-free (SF) amine cure epoxy self smoothing floor topping.

### FIELDS OF APPLICATION

- Pharmaceutical factory
- Laboratory
- Hospital
- Food and beverages production area
- Pulp and Paper production area

### ADVANTAGE

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

### PRODUCT SPECIFICATION

Type	: Two components solvent-free amine cure epoxy	<b>Component A</b>	<b>Component B</b>
		<b>PFT-213-2K SF SERIES</b>	<b>HARDENER PFT-213</b>
Color	: As shown in the color card		Clear yellowish liquid
Specific gravity	: $1.72 \pm 0.04$ gr/ml		$0.98 \pm 0.02$ gr/ml
Solid by volume (mixture)	: $98 \pm 1$ %		
Flash point	: n.a.		
Material consumption	: 1.6 Kg set/m <sup>2</sup> 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	: 5 and 20 Kg-set		
Storage stability	: One year 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, 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	: $75 \pm 3 \text{ N/mm}^2$	ASTM C-579
Bonding Strength	: $> 2.5 \text{ N/mm}^2$ , concrete failure	ASTM D-4541
Abrasion Resistant	: 16 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 **PFT-213-2K SF** with **HARDENER PFT-213** 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 20 hours.
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-251-2K SF	2	200 gr/m <sup>2</sup> for 150 mic DFT	16-20 hours
	HARDENER PFP-251	1		



*\*primer can use different series such as PFP-221-2K SB, PFP-231-2K WB, Consult our representative to select the right system for your needs.*

2	Top Coat			
	PFT-213-2K SB Series	4	1600 gr/m <sup>2</sup> for 1000 mic DFT	16-20 hours
	HARDENER PFT-213	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.

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