

## PFT-213-2K SF MOLD CLEAR HCR



HIGH CHEMICAL RESISTANCE EPOXY CLEAR COAT

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### PRODUCT DESCRIPTION

PFT-213-2K SF MOLD CLEAR HCR is two components epoxy clear coat which have superior resistance to chemical exposure compared to standard epoxy flooring.

### FIELDS OF APPLICATION

- Pharmaceutical flooring
- Production area
- Chemical warehouse

### PRODUCT FEATURES

- Excellent chemical resistance
- Self-smoothing, easy to apply
- Good adhesion on substrate

### PRODUCT SPECIFICATION

Type	: Two components epoxy coating	<b>Component A</b>	<b>Component B</b>
		<b>PFT-213-2K SF MOLD CLEAR HCR</b>	<b>HARDENER PFT-213-2K MOLD HCR</b>
Color	: Clear-hazy liquid		Clear-yellowish liquid
Specific gravity	: $1.16 \pm 0.04$ gr/ml		$0.98 \pm 0.02$ gr/ml
Solid by volume (mixture)	: $97 \pm 1$ %		
Flash point	: n.a.		
Material consumption	: $0.20$ Kg set/m <sup>2</sup>		
	Recommended application $0.20$ Kg set/m <sup>2</sup> , ~ 150 micron DFT		
Drying time (@ 30°C)	:		
1. Surface dry	: 2 hours		
2. Hard dry	: 12 hours		
3. Open traffic	: 24 hours for light traffic, 3 days for heavy traffic.		
Packaging	: 15 Kg-set		
Storage stability	: Two year in cool and dry storage (above freezing point) and in original unopened box.		
Mixing ratio by weight	: Comp A : B = 2 : 1 w/w		
Pot life (@30°C)	: 30 minutes		
Application method	: Scraper then rubber roll		
Substrate	: Concrete		
Application viscosity	: Ready for Use		
Re-coating interval	: 12 hours		
Application condition	: T = 25-35 °C, RH = maximum 80%		
Provide adequate ventilation during application and drying			

## FILM PROPERTIES

Item	Result	Standard Test
Adhesion on epoxy floor	: 5B	ASTM D3359
Bonding Strength	: > 2.5 N/mm <sup>2</sup> , concrete failure	ASTM D4541
Chemical resistance (24 hours exposure)		
HNO <sub>3</sub> 65 %	: Not resistance	Spotting method based on ISO 2812-4
HNO <sub>3</sub> 30 %	: good	
HCl 36 %	: good	
Buffer solution pH 4 (5%)	: good	
NaClO (5.25%)	: good	
Minnicare™	: good	
Turmeric (3%)	: good	
Red wine	: good	

*\*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

## SUBSTRATE PREPARATION

Make sure that compressive strength of floor structure as good as project design requirement. Moisture content should be less than 5% and the surface temperature must be at least 3 °C above current dew temperature. Surface must be structurally sound, clean, and free from loose particles, excessive oil, grease, and other contaminants.

## APPLICATION INFORMATION

1. Mix **PFT-213-2K SF MOLD CLEAR HCR** with **HARDENER PFT-213-2K MOLD HCR** at mixing ratio A : B = 2 : 1 using electrical mixer or appropriate method.
2. Pour the mixture on the substrate, then spread evenly using scrapper, then followed by rubber roll.
3. Leave it dry for at least 12 hours before the next process.
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	7	200 gr/m <sup>2</sup> for 150 mic DFT	12 hours
	HARDENER PFP-221	1		
2	Color Coat			
	PFT-215 M-2K SF	7	1500 gr/m <sup>2</sup> for 850 mic DFT	16 hours
	HARDENER PFT-215	1		

3	Top Coat			
	PFT-213-2K SF MOLD CLEAR HCR	2	200 gr/m <sup>2</sup> for 150 mic DFT	24 hours
	HARDENER PFT-213-2K MOLD HCR	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.

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