

## PFM-212-2K SF

**POLYFLOOR**<sup>®</sup>

Polyfloor Mortar Sealer

No. TD : P-189  
Revision : 01  
Effective Date : 14/07/2021



### PRODUCT DESCRIPTION

POLYFLOOR PFM-212-2K SEALER SF is a two component high solid amine cured epoxy primer (impregnation) or seal the concrete before apply epoxy mortar system

### FIELDS OF APPLICATION

- This product is used as impregnation sealer to the substrate before apply epoxy mortar or epoxy multilayer system that contains anti slip properties.
- Can be apply as transparant sealer for low to medium exposure of industrial floor as well.

### ADVANTAGE

- Excellent bonding strength
- Low visco, easy to apply
- Low odor, solvent free system

### PRODUCT SPECIFICATION

Type	:	Two component high solid amine cured epoxy sealer	
		<b>Component A</b>	<b>Component B</b>
		<b>PFM-212-2K SF</b>	<b>HARDENER PFM-212</b>
Appearance	:	Clear to hazy	Brownish liquid
Specific gravity	:	1.16 ± 0.04 gr/ml	0.98 ± 0.02 gr/ml
Solid by volume (mixture)	:	88 ± 1 %	
Flash point	:	30°C	
Drying time (@30°C)	:		
1. Surface dry	:	3 hours	
2. Hard dry	:	5 hours	
3. Full strength	:	16 hours	
Packaging	:	5 and 20 Kg-set	
Storage stability	:	Three years in dry storage and in original unopened box.	
Mixing ratio by weight	:	Comp A : B = 2 : 1 w/w	
Pot life	:	45 minutes (@30°C)	
Application method	:	scrapper	
Substrate	:	Concrete	
Application viscosity	:	Ready for Use	
Coating amount (wet)	:	0.2 kg-set/m <sup>2</sup> for sealer 0.7 Kg-set/m <sup>2</sup> for multilayer primer	
Re-coating interval	:	3 – 5 hours until 7 days	
Application condition	:	T = 10-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying			

### TEST PERFORMANCE DATA

Item	Result	Standard Test
Bonding Strength	> 2.5 N/mm <sup>2</sup> concrete failure	ASTM D-4541

## OTHERS

Shelf life	: 36 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

## SURFACE PREPARATION

Compressive strength of concrete floor not less than 25 N/mm<sup>2</sup> in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3 °C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning then followed by mechanical grinding and cleaning.

## APPLICATION INFORMATION

1. Mix **PFM-212-2K SF** with **HARDENER PFM-212** at mixing ratio **A: B = 2 : 1 (w/w)**
2. Apply the mixture on the substrate using trowel/scrapper.
3. Leave it dry for at least 3 hours before the next coat.
4. Good ventilation in working area is suggested.

## SIMPLIFIED RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP and PRODUCT CODE	MIXING	RECOMMENDED COATING AMOUNT	CURING
Substrate: Damaged concrete				
	Cleaning and Grinding 80#			
1	<b>Mortar Sealer</b>			
	<b>PFM-212-2K SF</b>	2	200 gr/m <sup>2</sup>	3-5 hours @30°C
	<b>Hardener PFM-212</b>	1		
2	Patching cracks and holes			
	PFM-222 3K SF	3	5000 gr/m <sup>2</sup> for 3 mm thickness	8-12 hours @ 30° C
	Hardener PFM-222	2		
	Filler PFM-222	35		
3	Primer			
	PFP-251-2K SF	2	150 gr/m <sup>2</sup>	12-16 hours @ 30°C
	HARDENER PFP-251	1		
4	Top Coat			
	PFT-253 series	4	800 gr/m <sup>2</sup>	12-16 hours @ 30°C
	HARDENER PFT-253	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.