

PFP-221-2K SF BODY COAT



Epoxy Bodycoat Self Levelling Floor

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PRODUCT DESCRIPTION

POLYFLOOR EPOXY PFP-221-2K SF BODY COAT is two components solvent free amine cure epoxy self smoothing, designed to increase thickness of the total epoxy system applied. Can be applied at damp concrete, moisture tolerant up to 6.5% (ASTM F-2659).

FIELDS OF APPLICATION

- Production area
- Warehouse
- Hospital and laboratory
- Pharmaceutical factory
- Hotel kitchen
- Showroom and workshop
- Commercial building
- Car park area, etc.

PRODUCT FEATURES

- Moisture tolerant up to 6.5% (ASTM F-2659), resist blistering minimum DFT 1000 micron.
- Can be used as body coat, as well as primer coat
- More efficient epoxy system
- Smooth and seamless
- Excellent flow and easy to apply
- Excellent adhesion

PRODUCT SPECIFICATION

Type	: Two components solvent free amine cure epoxy	
Component A	PFP-221-2K SF BODY COAT	Component B
Color	Brownish liquid	brownish liquid
Material consumption	: 0.2 Kg set/m ² as a primer ≥ 2.7 Kg set/m ² for 1500 micron DFT as body coat to resist blistering	
Drying time (@ 30°C)	: 1. Surface dry : 2 hours 2. Hard dry : 12 hours 3. Open traffic : 24 hours for light traffic and 7 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	: A:B = 7:1 alternatively A:B:C = 7:1:4 for DFT higher than 1500 mic	
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 = 25-35 °C, RH = maximum 80%	
Provide adequate ventilation during application and drying		

FILM PROPERTIES

Item	Result	Standard Test
Compressive Strength	: > 60 N/mm ²	ASTM C-579
Bonding Strength	: > 2.5 N/mm ² , concrete failure	ASTM D-4541
Abrasion Resistant	: < 25 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D-4060
Hardness	: > 80 (Shore D)	ASTM D-2240

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

OTHERS

Shelf life	: 24 months.
Handling and storage	: 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.

APPLICATION INFORMATION

1. Mix **PFP-221-2K SF BODY COAT** with **HARDENER PFP-221** at mixing ratio A:B = 7 :1 (w/w), using electrical mixer or appropriate method. Adding sand (particle size 250 microns) with mixing ratio A:B:C = 7:1:4 is workable, for application thickness higher than 1500 micron DFT.
2. Apply the mixture on to the substrate.
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	Sealer (to minimize bubble)			
	WBS-224-1K WB	RFU	100 gr/m ²	10 minutes
2	Primer			
	PFP-221-2K SF BODY COAT	7	2700 gr/m ² for 1500 mic DFT (as Body Coat)	12 hours
	HARDENER PFP-221	1		
	POLYFLOOR MEDIUM FILLER (optional for application higher than 1500 mic DFT)	4		

3	Top Coat			
	PFT-253-2K SB series	4	900 gr/m ² for 500 mic DFT	
	HARDENER PFT-253	1		12 hours

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

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