

PU-EPOXY HYBRID PUEP-216-2K SB SERIES

No. TD : P-287
Revision : 01
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PU-EP EPOXY HYBRID PUEP-216-2K SB SERIES is a two components PU-Epoxy Hybrid self smoothing floor topping. It provides :



1. Smooth and seamless
2. Semi-gloss finish
3. Dustproof and easy to clean
4. Good abrasion resistance
5. Good flexibility and impact resistant
6. Good adhesion
7. Good chemical resistance
8. Good fungus and biological resistant
9. Easy application

PRODUCT SPECIFICATION

Type	: Two components solvent based PU-Epoxy Hybrid
Color	: As shown in color card
Finish	: Semi-gloss
Solid by volume (mixture)	: 93%
Specific gravity (mixture)	: 1.8 g/cc
Material consumption	: 1.8 kg/m ² for DFT = 1000 microns.
Drying time	:
Surface Dry	: 2 hours (30°C)
Hard Dry	: 20 hours (30°C)
Full cure	: 7 days (30°C)
Packaging	: 5 and 20 kg-set
Storage stability	: One year in cool and dry storage (above freezing point) and in original not opened box.
Mixing ratio by weight	: Comp A : Comp B = 7 : 1
Pot life	: 30 minutes (30°C)
Application method	: Tooth trowel, rubber squeegee and spike roller
Washing thinner	: Epoxy thinner
Re coating interval	: 12-16 hours (30°C)
Application temperature	: 25-35°C
Humidity maximum	: 80 %
Provide adequate ventilation during application and drying	

TEST PERFORMANCE DATA

Compressive strength	: > 60 N/mm ² in 28 days
Bonding strength	: > 2.5 N/mm ² (concrete failure by ASTM D-4541)
Abrasion resistance	: 1000 gram, 1000 cycles, 60 RPM. Wear index : 0.022 (ASTM – D 4060 CS – 10 Wheel)
Tensile strength	: > 30 N/mm ² in 28 days (ASTM C – 580)
Shore D Hardness	: 81 in 7 days (ASTM D 2240 / Shore D)

SURFACE PREPARATION

Compressive strength of concrete floor must be more than 25 N/mm² 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 and mechanical cleaning.

Function	Product and Tools	Coating amount	Curing Time
Patching	PFM – 222 with ratio epoxy : quartz sand = 1 : 5-7 mix with metal trowel and spatula	2 – 3 kg/m ²	About 8 hours or overnight
Primer Coat	PFP – 241, by using low speed electrical mixer. Comp A : Comp B = 4 : 1	0.2 – 0.3 kg/m ²	About 16-24 hours (overnight)
Top Coat	PUEP-216-2K SB in low speed electrical mixer about 1-2 minutes. Comp A : Comp B = 4 : 1	1.80 kg/m ²	About 16-24 hours (overnight)

SAFETY PRECAUTION

This product does not contain aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream.

This product is flammable.

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.