

Technical Data Sheet
Number :
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POLYFLOOR[®] PFT-213-2K SF CLEAR



Polyfloor Epoxy Top Coat Solvent Free

PRODUCT DESCRIPTION

POLYFLOOR PFT-213-2K SF CLEAR is a two component solvent free (SF) amine cured epoxy self smoothing floor topping which has good abrasion resistance, excellent adhesion to concrete and good resistance against fungus, resistant to wide range of acid and alkali chemicals type, and high gloss finish. Can be mix with epoxy colorant, color quartz or stone for decorative finish.

FIELDS OF APPLICATION

- Clear coating for concrete expose
- Clear coating for stone floor coating
- Clear coating for 3D flooring system
- Epoxy decorative flooring
- Clear coating for epoxy color top coat
- Area that requires clear coating system

ADVANTAGES

- Solvent free, enviromentally friendly
- High build & excellent self levelling (low in visco)
- Dust-proof and easy to clean
- Durable, good abrasion resistant and excellent adhesion
- Chemical resistant
- Hygienic, good fungus and biological resistant
- Smooth and seamless

TECHNICAL DATA

Type	: Two component solvent free epoxy self leveling floor topping.
Color	: Clear
Finish	: High gloss
Solid by Volume (mixture)	: $\pm 92\%$
Specific Gravity (mixture)	: $\pm 1.15 \text{ gr/cc}$
Material Consumption	: 1.50 kg-set/m^2 for $\pm 1000 \text{ microns DFT}$
Drying Time (30°C)	:
- Surface Dry	: 2 hours
- Hard Dry	: 20 hours
- Full Cure	: 7 days
- Open Traffic	: 24 hours for light traffic and 7 days for vehicular traffic
Packaging	: 6 and 15 kg-set
Storage Stability	: One year in cool and dry storage and in original not opened box.
Mixing Ratio by Weight	: Comp A : B = 2 : 1 w/w
Pot Life	: 30 minutes in 30°C
Application Method	: Squeegee, epoxy roll and spike roll
Re-coating Interval (30°C)	: 12-16 hours until 7 days
Application Temperature	: 25 - 35 °C
Humidity Maximum	: 80 % RH
Provide adequate ventilation during application and drying	



TEST PERFORMANCE DATA

Item	: Result	Standard Test
Compressive Strength	: > 50 N/mm ²	BS-6319 Part 2
Bonding Strength	: > 2.5 N/mm ² concrete failure	ASTM D-4541
Abrasion Resistant	: 0.022 gr loss	ASTM D-4060
Flexural Strength	: > 30 N/mm ²	ASTM C-580
Impact Resistant	: 45 cm (1 kg)	ASTM D-2794
Hardness	: 95 osc in 7 days	ASTM D-4336 (Shore D)
Flash Point	: 90°C	Setaflash
Scratch Resistant	: 76 x	Crock meter
Gloss Level	: 85 - 95 %	Gloss meter
Water Resistant	: Excellent	
Solvent Resistant	: Excellent	
Chemical Resistant	: Excellent	
Pot Life	: 30 minutes (30°C)	
Temperature Resistant	: 0 - 70°C	
Flow Ability	: Excellent	

* consult with Propan for solvent and chemical list

INSTRUCTION FOR USE

Surface Preparation

Compressive strength of concrete floor not less 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.

Application Procedure

Function	Product and Tools	Coating amount	Curing Time
Patching	: Polyfloor mortar PFM-222-3K SF. Mix well and apply with metal trowel	22 kg-set /m ² /cm	± 8 hrs (30°C)
Primer Coat	: Epoxy primer PFP-251-2K SF. Mix well using mixer ± 2 minutes and apply with rubber squeegee and then epoxy roll. Mixing ratio component A : B = 2 : 1 by weight	0.20 kg-set/m ²	± 12 hrs (30°C)
Top Coat	: Mix component A Polyfloor epoxy PFT-213-2K SF clear in low speed mixer. Pour component B to component A while stirring and mix well ± 2 minutes. Mixing ratio component A : B = 2 : 1 by weight	1.50 kg-set/m ² /mm	
Top coat can be used in 24 hours for foot traffic and 7 days for vehicular traffic			

RECOMMENDED COATING SYSTEM

Preceding coats	: Epoxy primer Polyfloor PFP-231-2K WB : Epoxy primer Polyfloor PFP-241-2K SB : Polyfloor epoxy PFT-213-2K SF mold clear : Polyfloor epoxy color series
Subsequent coats	: PU Floor PUAS-620-2K WB series : Propan UV Floor series



CLEANING

POLYFLOOR EPOXY PFT-213-2K SF clear should be removed from tools and equipments with PROPAN Epoxy Thinner. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

POLYFLOOR EPOXY PFT-213-2K SF clear is flammable but does not contain heavy metals in its materials such as lead. Avoid Contact with skin and eyes. Do not inhale. Wear suitable protective equipment such as goggles, dust mask and gloves. Do not smoke near this product and use only explosion proof equipment.

First Aid

Skin contact : Rinse under plenty of water immediately. Seek medical advice if irritation persists.
Eye contact : Wash off under plenty of water immediately. Seek medical advice if irritation persists
Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus.

