

Technical Data Sheet

Number : M-072 01
Effective Date : 01/01/2020

MULTI-POX FLOOR MX-94-2K SB

Epoxy Floor Thin Coating



PRODUCT DESCRIPTION

MULTIPOX FLOOR MX-94-2K SB is two components solventless amine cured epoxy, which has self smoothing ability for smooth finish epoxy thin flooring system. This product is recommended for 300-500 microns dry film thickness application.

FIELDS OF APPLICATION

- Workshop, showroom
- Garage, car park
- Emergency stair
- Light industrial area

ADVANTAGES

- Smooth and Seamless
- Excellent flow and easy to apply
- Gloss Finish
- Dust-proof and easy to clean
- Good abrasion resistant
- Excellent adhesion
- Chemical Resistant
- Hygiene, fungus and biological resistant

TECHNICAL DATA

Type	: Two components solventless amine cured epoxy topping
Color	: As shown in the color card
Finish	: High gloss
Solid by Volume (mixture)	: $\pm 86\%$
Specific gravity	: $\pm 1.50 \text{ gr/cc}$
Material Consumption	: 0.40 kg-set/m^2 for ± 200 microns DFT
Drying time (30°C)	:
- Surface Dry	: 3 hours
- Hard Dry	: 8 hours
- Full Cure	: 7 days
- Open traffic	: 24 hours for light traffic and 7 days for vehicular traffic
Packaging	: 5 and 20 kg-set
Storage Stability	: One year in cool and dry storage and in original not opened box.
Mixing Ratio by Weight	: Comp A : B = 4 : 1 w/w
Pot life (30°C)	: 30 minutes
Application method	: Squeegee, epoxy roll
Re-coating interval (30°C)	: 12 - 16 hours until 7 days
Application temperature	: 10 - 40°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 in 28 days	BS-6319 Part 2
Bonding strength	: > 2.5 N/mm ² concrete failure	ASTM D-4541
Flexural strength	: > 6 N/mm ² in 28 days	ASTM C-580
Gloss level	: 85 - 95 %	
Water resistant	: Excellent	
Solvent resistant	: Excellent*	
Chemical resistant	: Excellent*	
Pot life	: 30 minutes (30°C)	
Temperature resistant	: 0 - 70°C	

* 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-241-2K SB. Mix well using mixer ± 2 minutes and apply with rubber squeegee and then epoxy roll. Mixing ratio component A : B = 4 : 1 by weight	0.20 kg-set/m ²	± 12 hrs (30°C)
Top Coat	: Mix component A Polyfloor epoxy PFT-253-2K SB in low speed mixer. Pour component B to component A while stirring and mix well ± 2 minutes. Mixing ratio component A : B = 4 : 1 by weight	0.40 kg-set/m ² / 0.20mm (200 mic)	

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-241-2K SB
 Subsequent coats : PU Floor PUAS-620-2K WB series
 : Polyfloor epoxy PFT-213-2K SF clear
 : Propan UV Floor series

CLEANING

MULTIPOX FLOOR MX-94-2K SB should be removed from tools and equipments with Propan Epoxy Thinner. Hardened material can be removed mechanically only.



SAFETY PRECAUTIONS

MULTIPOX FLOOR MX-94-2K SB 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.

