

MX-99-2K MP SB[®] MULTI-POX

Multipurpose Epoxy Enamel

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PRODUCT DESCRIPTION

MULTIPOX MX-99-2K MP SB is a two component solvent base multipurpose enamel which has excellent adhesion on various substrates such as steel, wood, concrete wall, etc.

FIELDS OF APPLICATION

- Indoor furniture
- Steel staircase
- Pharmaceutical wall
- Hospital wall
- Playground room
- Indoor Swimming pool

PRODUCT FEATURES

- Excellent adhesion on various substrate
- Resistance to household chemical
- Easy to apply (can be applied by brush, roll or spray)
- Dust-proof and easy to clean
- Seamless and hygienic
- Mold and fungi resistance
- High gloss finish

PRODUCT SPECIFICATION

Type	: Two components solvent-base epoxy enamel		
	Component A	Component B	Thinner
	MX-99-2K MP SB SERIES	HARDENER MX-98	Thinner Epoxy
Color	: As shown in the color card	Yellowish liquid	
Material consumption	: 0.20 Liter set/m ² for 100 micron DFT		
	Recommended application 100-150 micron DFT		
Drying time (@ 30°C)	:		
1. Surface dry	: 4 hours		
2. Hard dry	: 12 hours		
3. Open traffic	: 24 hours for light traffic and 7 days for heavy traffic		
Packaging	: 1 Liter-set, 5 Liter-set and 20 Liter-set		
Storage stability	: Two years in cool and dry storage (above freezing point) and in original unopened box.		
Mixing ratio by volume	: Comp A : B : thinner = 2 : 1 : 1 v/v		
Pot life (@30°C)	: 30 minutes		
Application method	: Brush, roll, or spray		
Substrate	: Concrete, steel, woods		
Application viscosity	: Ready for Use		
Re-coating interval	: 4 hours until 7 days		
Application condition	: T = 28-35 °C, RH = maximum 80%		
Provide adequate ventilation during application and drying			

FILM PROPERTIES

Item	Result	Standard Test
Adhesion	: 5B	ASTM D3359
Bonding Strength	: > 2.5 N/mm ² , concrete failure	ASTM D-4541
Abrasion Resistant	: 23 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D-4060
Impact Resistant	: 100 cm, 1 Kg load	ASTM D-2794
Hardness	: 65 Shore D	ASTM D-2240
Gloss level	: 85-95%	ASTM D-523

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

OTHERS

Shelf life	: 24 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

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. Moisture content of the substrate should be less than 4%. Higher moisture content will need additional treatment before applying this product. Consult our representative to select the right system for your needs.

APPLICATION INFORMATION

1. Mix **MX-99-2K MP SB** with **HARDENER MX-99** for one minute, then add thinner epoxy at mixing ratio A:B:Thinner = 2:1:1 (v/v), using electrical mixer or appropriate method.
2. Apply the mixture on top of the primer coat.
3. Leave it dry for at least 12 hours, before the next process.
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 wall				
	Grinding 80# followed by cleaning			
1	Primer			
	PFP-261-2K SB	9	200 gr/m ² for 100 mic DFT	4 hours
	HARDENER PFP-261	1		
<i>*primer can use different series such as PFP-241-2K SB, PFP-251-2K SF, Consult our representative to select the right system for your needs.</i>				
2	Top Coat			
	MX-99-2K MP SB	2	200 cc/m ² for 100 mic DFT	12 hours
	HARDENER MX-99-2K MP SB	1		
	THINNER EPOXY	1		

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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