



## EPG-233-2K EXT WB



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### PRODUCT DESCRIPTION

**EPG-233-2K EXT WB** is a two component epoxy emulsion modified coating with good UV and weathering resistant, suitable for interior and exterior uses.

### FIELDS OF APPLICATION

- Stadium bench (concrete)
- Warehouse
- Carport & garage
- Kitchen
- Showroom and workshop
- Commercial building, car park area, etc.

### ADVANTAGE

- Multilayer (as primer and top coat)
- Good UV and weathering resistance
- Less yellowing
- Strong adhesion to concrete
- Horizontal and vertical application
- Odorless
- Satin finish
- Easy to clean
- Easy to apply (roll, brush and spray)

### PRODUCT SPECIFICATION

Type	Two components water-base modified epoxy emulsion	
	<b>Component A</b>	<b>Component B</b>
	<b>EPG-233-2K EXT WB SERIES</b>	<b>HARDENER EPGH-233</b>
Color	As shown in the color card	Milky
Specific gravity	1.50 ± 0.04 gr/ml	1.02 ± 0.02 gr/ml
Solid by volume (mixture)	48 ± 1 %	
Flash point	n.a.	
Material consumption	0.30 Kg set/m <sup>2</sup> for 100 micron DFT Recommended application 100 DFT (50 micron each coat)	
Drying time (@ 30°C)		
1. Surface dry	2 hours	
2. Hard dry	8 hours	
3. Open traffic	24 hours for light traffic and 7 days for heavy traffic	
Packaging	10 and 40 Kg-set	
Storage stability	Two year in cool and dry storage (above freezing point) and in original unopened box.	
Mixing ratio by weight	Comp A : B = 1 : 1 w/w	
Pot life (@30°C)	45 minutes	
Application method	Rubber Squeegee, short-hair roll, rubber roll.	
Substrate	Concrete	
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
Bonding Strength	: > 2.5 N/mm <sup>2</sup> , concrete failure	ASTM D-4541
Abrasion Resistant	: 35 mg loss per 1000 cycles (500 g load using CS17 wheels)	ASTM D-4060
Mohs Hardness	: 2.5	ASTM C1895
Gloss level	: 20-30%	ASTM D-523
Household and Chemical Resistance (24 hours exposure)		
• Water	: Good	Spotting method based on ISO 2812-4
• Alcohol	: Good	
• Red Wine	: Not Good (leave stain)	
• Vinegar	: Good	
• Turmeric	: Not Good (leave stain)	
• Liquid Soap	: Good	
• Gasoline	: Good	
• Brake liquid	: Good	
• Oil engine	: Good	
• H <sub>2</sub> SO <sub>4</sub> (30%)	: Discoloration	
• HNO <sub>3</sub> (65%)	: Not Resistance	

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

*\*\*for detailed chemical resistance list please contact our representative*

## 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.

## APPLICATION INFORMATION

1. Mix **EPG-233-2K EXT WB** with **EPGH-233** at mixing ratio A:B = 1:1 (w/w), using electrical mixer or appropriate method.
2. Apply the mixture on the substrate
3. Leave it dry for at least 4 hours, before applying the second 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	Primer			
	EPG-233-2K EXT WB	1	150 gr/m <sup>2</sup> for 50 mic DFT	4-6 hours
	EPGH-233	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			
	EPG-233-2K EXT WB	1	150 gr/m <sup>2</sup> for 50 mic DFT	4-6 hours
	EPGH-233	1		

## SAFETY PRECAUTION

This product does not contain formaldehyde or heavy metals. 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.

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