

MIPRO-WBE

Water Base Epoxy Coating System

DESCRIPTION

MIPRO-WBC is a durable water dispersed, two pack epoxy coating. Formulated to provide a durable coating system for walls and floors subjected to light traffic. Available in a wide range of colors and in clear.

APPLICATIONS

Ideal for use as floor and wall coatings especially where solvent based materials are not suitable. For protection of surfaces against dusting, solvent and certain chemical spillage and to provide an easy maintained surface. Proven material for clean rooms, food processing plants, assembly plants, pharmaceuticals, warehouses, garages and other light industrial areas where hygiene and cleanliness are of important.

ADVANTAGES

Hygienic - Provides easy to clean dust free surface.
Solvent-free – makes application in confined places bearable.

Food grade - non solvent and nontoxic. Hard wearing – good abrasion resistance for foot and light vehicular traffic.

COLOURS

Available in Standard Flooring colors and in clear. Other colors can be matched upon request.

FINISH

Stain

SURFACE REQUIREMENTS

Substrate to be coated must be sound and free from any contamination. Mechanical stone grinding should be employed followed by thorough vacuuming. Apply 2-3 coats of MIPRO-WBC at a spreading rate of 5 TO 6m²/kg/coat at an interval of minimum 8 hours. All applications must be carried out in accordance with manufacturers' written instructions.

TECHNICAL INFORMATION

Temperature resistance	80°C (Dry)
Abrasion Resistance – Taber (CS-17Wheel)	0.25gm/1000gm.loadi ng/1000 rpm
Bond Strength	Excellent
Solid Content (mixed)	75% + or -2
No. of coats Recommended	2-3
No. of component	2
Mixing Ratio	4:1 OR 5:1 by weight of Part A & Part B
Pot life	45 mins. At 25°C
Cleaner	Water
Packaging	5kg
Estimated Coverage	5 to 6m ² /kg/coat

NOTE: Coverage figure given is theoretical-due to wastage factors and the variety nature of the substrate, the practical coverage may be reduced and this may vary with the site application conditions.

CHEMICAL RESISTANCE

MIPRO-WBC has excellent resistance to a wide range of industrial chemicals. Performance against more common chemicals:-

	Good	Limited	Test Period
Crude Oil	√		12 months
Petrol (without alcohol)	√		12 months
Sodium Chloride 20%	√		18 months
Lactic acid 5%		√	12 months
Acetic acid 5%		√	1 week
Ethyl alcohol 10%	√		12 months
Caustic soda 20%	√		12 months
Oil	√		12 months
Detergents	√		12 months

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APPLICATION PROCEDURE

Surface Preparation

Substrate should be structurally sound, clean and free from loose particles, oil, grease and other contaminants. Remove cement laitance, loose particles and other contaminants from surface by mechanical cleaning preferably stone grinding and followed by vacuuming. If surface is absorbent, dampen the substrate with water before application. MIPRO-WBC is a thin coating and the substrate must be fine textured after surface preparation. Any surface irregularities may show through causing excessive wear on high spots and changing the perceived color of the coating.

MIXING

Stir each component separately using a slow speed (300-400 rpm) electric drill fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part B into Part A and continue to mix for 2-3 minutes before use.

Application

Apply **MIPRO-WBC** within its pot life.

NOTE: Application of the mixed MIPRO-WBC must be completed within 30 minutes after mixing. This is to minimize variation in gloss level of the cured coating. Any unused material after this time must be discarded.

1st Coat / Primer

Can be thinned up to 10% clean water to help better penetration and workability.

Subsequent Coats

Either 1 or 2 coats of full strength or thinned up to 5% clean water dependent on the absorbency of the substrate or the opacity of the colors.

Thinning

Use clean potable water.

Method of Application Brush, roller (short hair mohair roller) or airless or conventional spray.

Recoating

Touch Dry: 6hrs at 25°C
Maximum Recoating Time: 4 hrs at 25°C

Curing MIPRO-WBC is self-curing. The curing time depends on the ambient temperature, humidity, and the quantity mixed and placed. Under normal circumstances initial curing will take place after 8 hours.

HEALTH & SAFETY Although MIPRO-WBC is non-combustible, certain ingredients may be harmful if exposure is prolonged or in contacted with. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children.

ADDITIONAL INFORMATION With a wealth of technical and practical experience built up over many years in pursuit of excellent especially in the flooring and concrete technology, make us your partner today! Contact us.

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