

MITCHEPOKOTE WB

Water-Based Epoxy Emulsion Paint Smooth Finish

DESCRIPTION

MITCHEPOKOTE WB is a two-component, solvent-free, water-dispersed, polyamide-cured epoxy.

USES

MITCHEPOKOTE WB is a protective, decorative and oil-resistant coating for: cementitious, masonry and asphaltic surfaces, floor coatings, as a concrete curing membrane.

Areas where **MITCHEPOKOTE WB** may be used on both floors and walls are:

- factories and warehouses
- parking facilities
- shopping areas
- dairies and milking parlors
- nuclear contamination areas

BENEFITS

- May be applied to damp surfaces.
- Easily over coated at any time for maintenance.
- Tough protective and decorative coating.
- Oil resistant.
- Petrol resistant.
- Economical.

COVERAGE

8 - 10m² / liter on smooth surface.

PACKAGING

5 kg set,

COLOR & FINISH

Available in standard range of colors.

Batch to batch color variation may occur. Ensure that materials for final application are always drawn from the same batch.

SPECIFICATION

SURFACE PREPARATION

CONCRETE – Surfaces must be clean and mechanically sound and free of laitance, nibs, dust, grease and oil. Wet abrasive grinding is generally used on concrete floors.

Any holes should be filled with an adequate mortar, e.g. sand/cement gauged with **MITCHBOND SBR** and laid into an **MITCHBOND SBR**/cement/sand slush. Surfaces do not need to be dry as long as they are free of standing water. Bone-dry surfaces must in fact be lightly dampened with water to prevent too rapid suction of water from the coating.

PRIMING

It is not usual to apply a primer under **MITCHEPOKOTE WB**. On porous surfaces dilute the primer coat with up to

25 - 50% clean water and pre-dampen the surface to obviate suction.

MIXING

Pre-stir base and activator. Add the entire base to the activator and stir for at least 5 minutes using a flat paddle. It has been found that mechanical mixing gives better dispersion than manual mixing. A suitable mixing method would be a slow-speed electric drill (approximately 200 r/min) fitted with a paddle.

APPLICATION

Mixed **MITCHEPOKOTE WB** may be applied to the dampened substrate by water pre-moistened brush or roller or by airless spray using a ± 500 µm tip. Ideally any first coat should be applied by brush. As soon as a coat is touch dry, a subsequent coat may be applied.

Unless the treatment is required to provide chemical resistance, an additional two coats are normally sufficient. Chemical resistant work or floors always requires three coats. Drying time will depend upon temperature, humidity and ventilation. If working indoors or in confined spaces, ensure adequate ventilation. Outdoors, the wet film is liable to wash off in rain or be damaged by frost. **MITCHEPOKOTE WB** may be over coated at any time. Ensure that the surface is clean and free of contamination and chalking. Over coating, without inter-coat adhesion problems may be carried out with **MITCHEPOKOTE WB** itself or solvent-borne or solvent-free epoxies or other compatible coatings.

USE AS A CONCRETE MEMBRANE

MITCHEPOKOTE WB can be applied to green concrete as a curing membrane, after which it becomes a protective and decorative coating.

In this application it acts as protection during subsequent construction, this also applies to floors. When final decoration and protection of the surface is due for application, the surface need only be suitably cleaned and repaired to take whatever final treatment may be specified.



SLIP RESISTANT FINISH

A 50g container of fine aggregate is available on request. Mix well into 5 liters of **mixed** base and activator and apply as the final coat.

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TECHNICAL INFORMATION

PROPERTIES OF WET MATERIAL	
Mixing ratio	2.2 : 2.8 by volume
Relative Density (typical)	1.17 g/cm ³
Color : Base Activator Mixed	Colored Translucent yellow Colored
Finish	Semi-matt
Flash point	None
Dilution	Up to 25 - 50% water in first coat

PROPERTIES DURING APPLICATION	
Pot life @20° C @ 30° C	90 min/5l 45 min/5l
Volume solids (typical)	40% - varies slightly according to color
Coverage for above dft	8 - 10m ² / L on smooth surface
Wet film thickness at above	100 µm
Recommended no. of coats	Two minimum
Drying time @ 25° C	Touch dry – 4 -6hrs Hard dry - 24 hrs. Full cure – 3 days
Over coating time @ 25° C	Minimum 4 – 6 hrs. Maximum – None
Application temperature range	+5° C to +35° C
Fire resistance of wet film	Non-flammable

PROPERTIES OF DRY FILM	
Maximum service temperature	Dry – +60° C
Minimum service temperature	Suitable for cold room use
Adhesion	Concrete substrate failed 3.7 MPas under tensile stress
Bond strength	Passes cross hatch test – 2 mm wide cuts
Impact resistance	Five impacts of 1 kg dropped 2 m
Weathering resistance	Chalks on exposure to ultra-violet light or sunlight
Scrub resistance	39 000 cycles under 1.5 kg load over 2 500 mm ² area using a 2.5% synthetic detergent solution at ambient temperature – no failure
Nuclear decontamination	Details available on request
CHEMICAL PROPERTIES OF DRY FILM	

Sulphur resistance	No change after 21 days in 1% by mass sodium sulphate
Water resistance	Withstands 18 months immersion test but is not recommended for continuous immersion service
Solvent resistance	Withstands petrol, mineral and crude oils, 50% ethyl alcohol – 12 months immersion test but is not recommended for continuous immersion service

CLEANING

During brief interruptions of work, equipment should be immersed in clean water. At major stoppages it must be washed with soap and water or with ideal super brush cleaner. Cured **MITCHEPOKOTE WB** is almost impossible to remove.

HEALTH & SAFETY

When, wet **MITCHEPOKOTE WB** is toxic. Ensure working area is well ventilated during application and drying.

Avoid inhalation of dust and contact with skin and eyes. Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. The use of barrier creams provides additional skin protection. If contact with skin occurs, wash with water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought.

When cured **MITCHEPOKOTE WB** is inert and harmless.