

MIPRO-E (CFE)

A WATER DISPERSED CERAMIC FILLED EPOXY COATING

DESCRIPTION A new generation , high-build water dispersed ceramic epoxy coating.

RECOMMENDED USES Ideal for use as floor and wall coatings especially where solvent-based material is not desirable ; for protection of surfaces against dusting, solvent, chemical attack. Very hard and abrasion resistant replacing traditional solvent-based coating in food, glove, assembly plant, pharmaceutical , warehouses, garages , car parks and other light industrial area where hygiene and cleanliness are important . Good anti carbonation properties making it suitable protective coating for road tunnels to improve visibly conditions and concrete structures. If incorporate with a high reactive bactericide **MIPRO-E (CFE)** is the recommended product for hospital, clinics, food processing plant for its broad range of antibacterial properties.

BENEFITS

- Combustible with cementitious as well as asphaltic substrates.
- Solventless – makes application in confined places bearable.
- Fast dry / open time even at low temperature.
- Less sensitive to moisture during application.
- Excellent adhesion and abrasion resistance.
- Can be applied from 100 to 200microne thick.
- Breathable.

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

FINISH Matt

Bond Strength	>1.5N/mm ²
Compressive Strength	35N/mm ²
Co efficient of Friction	0.28
Abrasion Resistance Wt. Loss (mg/1000 cycles)	156
Index of Resistance To Water Vapor Diffusion	Approx. 100(micronH ² O)
Index Of Resistance To Carbon Dioxide Diffusion	Approx. 14,000(micronCO ²)
Temperature	Min. +5°C Max. +35°C
Recommended dry film thickness	100 to 200microne thick
No. of Coats Recommended	2
No. of Component	2 or multiple coats
Mixing Ratio	4:1 by weight of Part A & Part B
Pot Life	25 min. at 20°C
Cleaner	Water
Packaging	5kg
Storage & Shelf life	Unopened in dry conditions at 20°C / 12 months
Estimated Coverage	6m ² / kg/50micron
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.	

CHEMIPROTECT ENGINEERS

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SPECIFICATION

Substrate to be coated must be waterproofed, sound, clean and free from any contamination. Mechanical stone grinding should be employed followed by thorough vacuuming. Apply 2 coats of **MIPRO-E (CFE)** at a spreading rate of 6m²/kg/coat at an interval of minimum 8 hours. All applications must be carried out in accordance with manufacturers' written instructions. For hygiene requirement use **MIPRO-E (CFE)**

APPLICATION PROCEDURE

Surface Preparation

Substrate to be coated must be sound, clean and free from any contaminants. Use mechanical stone grinding or other mechanical means to remove laitance. All residues must be removed by vacuum cleaning to provide a dry, dust free open textured surface.

Mixing

Stir Part A & Part B separately . Pour all the content of Part B into Part A mix with a slow speed stirrer for at least 2-3 minutes . Do not mix material more than that can be used up within 30 minutes.

Application

MIPRO-E (CFE) can be applied by brush, roller or spray depending on the actual service requirements. It is recommended that test application should be carried out on small area prior to large-scale application to determine the exact procedure.

1st Coat / Primer

Can be thinned up to 15% clean water to help better penetration and workability.

Subsequent Coat

Either 1 or 2 coats of dependent on the absorbency of the substrate or the opacity of the colors

Method Of Application

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

Recoating

Touch Dry:	6hrs at 25°C
Maximum re-coating Time	24 hrs at 25°C

Curing

MIPRO-E (CFE) 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.

Thinning

Use clean potable water. To improve workability under different room temperature, maximum of 15 – 20% portable water can be used to thin product.

HEALTH & SAFETY

Although **MIPRO-E (CFE)** 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. For further information , refer to the product Material Safety Data Sheet , available upon request.

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!

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