



product data sheet

VERSION 1.0

MIMACO

Two Component
Self Leveling
Epoxy Flooring
Resin

DESCRIPTION

MAC EPOXY FLOORING MARINE

is a two component self-leveling, solvent free, epoxy based floor coating with excellent chemical resistance, high impact and abrasion resistance.

MAC EPOXY FLOORING MARINE

RECOMMENDED FOR

- Ship Floors
- Industrial Floors
- Hospitals
- Food, Chemical and Pharmaceutical Industries
- Indoor Car Parks
- Retail Shopping Areas)
- Hotels

FEATURES & BENEFITS

- Solvent free
- High impact resistance
- Excellent chemical resistance
- Excellent mechanical properties, high tensile and tear strength, abrasion resistance.
- Inhibits fungal and bacterial growth

APPLICATION PROCEDURE

Concrete substrate conditions (standard):

- Hardness: R28 =15MPa
- Humidity: W < 5%
- Temperature: from 12 oC - 35 oC
- Relative humidity: < 85%

Clean the surface thoroughly, mechanical grinding is highly recommended. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed. Fill surface irregularities.

MIXING:

Before mixing component A+B, mix component A thoroughly.

Pour Component B into the Component A pail and mix using a low speed (300rpm) electric drill until mixture is completely homogenous.

Pay particular attention to the wall lining and bottom of the pail.

PRIMING: Prime all surfaces at a consumption of 0.1 Kg/m².

Optionally sprinkle dry quartz sand on wet primer and blow off excess sand.

Allow 12 hours and apply **M.E.F.M.**

APPLICATION AS PAINT: Apply **M.E.F.M** A+B without addition of quartz sand with a roller or spatula in two coats with 0.250-0.350 Kg/m² per coat (minimum total consumption 0.5 Kg/m²).

To make an anti-slip finish the final layer is broadcasted with silica sand or corundum.

APPLICATION AS SELF-LEVELING: To the mixture A+B Add 1:1 by weight dry silica sand 0.1-0.3 diameter. Pour the material on the floor and apply by 5mm notched trowel.

Use a spiked roller to subsequently removed entrapped air.



<p style="text-align: center;">CONSUMPTION</p> <p>PRIMING: 0.1 Kg/m².</p> <p>APPLICATION AS PAINT: 0.250-0.350 Kg/m per coat (minimum total consumption 0.5 Kg/m²).</p>	<p style="text-align: center;">CLEANING</p> <p>Clean tools and equipment first with paper and then using SOLVENT. Rollers will not be re- usable.</p>
<p style="text-align: center;">PACKAGING</p> <ul style="list-style-type: none">• 5 Kg + 1Kg	<p style="text-align: center;">SAFETY INFORMATION</p> <p>Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25o C. Once opened, use as soon as possible. The MSDS (Material Safety Data Sheet) is available on request.</p>



TECHNICAL SPECIFICATIONS

The Liquid product:

PROPERTY	UNITS	METHOD	SPECIFICATION
Pot Life (25°C) & 55% RH	Min.	Internal Method	40
Mixing Ratio (Comp.A:Comp.B)			5:1
Solids Content	%	Internal Method	99.8%
Viscosity (initial mixing) (BROOKFIELD)	cP	ASTM D2196-86, at 25oC	1000-1500

The Coating:

PROPERTY	UNITS	METHOD	SPECIFICATION
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	>95
Max. temperature short time (shock)	oC	-	150
Light Traffic ((25°C) & 55% RH)	Hours	INTERNAL	24
Heavy Traffic	Days	INTERNAL	7
Adhesion to concrete	N/mm ²	ASTM D4541	>3
Compression Strength	N/mm ²	DIN EN 196-1	>50
Shrinkage	%	INTERNAL	0
Resistance to acids, solvents, lubricants etc.	-	INTERNAL	Excellent

Certified quality, environmental and occupational health & safety management systems:

ISO 9001/14001 & OHSAS 18001.

M.E.F.M/EE/1-1-18

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