



NIMACO

The Waterproofing Specialists

product data sheet
version 1.0

MAC PRIMER MARINE

Two-component - low viscosity - water based
1:1 by volume epoxy coating / primer.

DESCRIPTION

MAC PRIMER MARINE is a revolutionary epoxy-based primer/coating.

It is a two- component, water based, epoxy coating, specially formulated for use in a 1:1 by volume ratio.

Can consume even the smallest quantities and store the material for future needs.

With low viscosity and long pot life, making it ideal for DIY applications.

It can be easily colored with universal pigment pastes available in hardware stores and can be filled with equal parts of quartz sand.

The material displays very low levels of yellowing upon prolonged exposure to UV.

APPLICATIONS

- Primer for Marine Industry.
- Primer when humidity barrier properties are required
- Sealing Coat for concrete
- Adhesive Layer between old and new concrete
- Anti-Dust Floor coating
- Protective coating for old metal based structures

FEATURES & BENEFITS

- 1:1 By volume application ratio
- Quick curing even at lower temperatures
- Low-odor, safe and non-flammable (zero VOC).
- Suitable for application in closed spaces.
- Easy clean-up.
- Strong adhesion even on damp or green concrete.
Also, on iron, galvanized steel, aluminum, glass and wood.
- Good mechanical properties and abrasion resistance.
- Easy coloring with water-based pigment paste
- Visible pot-life



APPLICATION PROCEDURE

Mixing:

Mix the two components well manually or using a low speed (300 rpm) mixer.

Application:

- As primer



Application in thin coats only. Apply with roller in one or two coats with total maximum consumption of 150 gr/m²

Recoat time cannot be determined in terms of hours since it is highly dependent on weather conditions: It can be as low as 2 hours during summer and as high as 24 hours during winter. Use the following rule of thumb to determine when recoating should take place.

Recoat when material has hardened to the degree where it can no longer be punctured by finger nail.



- **Do not exceed the stated consumption numbers as this will affect adversely its adhesion and durability.**
- **Pot life of mixture is 1 hour maximum at 25 oC**
- **Hot concrete should be wetted before application**

Colors:

- Transparent
- White
- Grey
- Beige

CONSUMPTION

- As primer – Apply in one or two thin coats with total consumption of 150 gr/m².

CLEANING

Clean tools and equipment first with paper and then using SOLVENT.
Under no circumstances should they be re-used to mix/apply polyurethane products.

PACKAGING

- 10 kg
- 5 kg
- 4 kg

SAFETY INFORMATION

Free of solvents.
Nevertheless, you are advised to observe the standard safety rules
Apply in well-ventilated, no smoking areas, away from naked flames.
In closed spaces use ventilators and carbon active masks.

The MSDS (Material Safety Data Sheet) is available on request.

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Component A – milky white

Component B – yellow

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield) of mixed product	cP	ASTM D2196-86, @ 25 oC	100
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 oC	1.0
Mixing ratio	A:B, by volume	-	1:1
Tack free time, @ 77 oF (25 oC) & 55% RH	hours		3-5
Full cure	days		3
Recoat time	-	-	When material has hardened to the degree where it can no longer be punctured by finger nail
Pot life	hours	-	1 @ 25 oC

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	oC	-	10-40
Adhesion to concrete	kg/cm ² (N/mm ²)	ASTM D4541	> 30 (> 3)
Resistance to friction	Gr	ASTM D4541 (Taber 503, CS17, 1.0 kg, 1,000 revs.)	120 * 10 ⁻³

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