



NIMACO

New Generation,
Low Solvent,
Thixotropic,
Polyurethane
liquid
membrane for
waterproofing
and protection.

DESCRIPTION

MAC AQUEOUS is a result of Nimaco's investment in new production facilities and polymerization procedures. This investment facilitated the manufacture of a low solvent non-flammable material without hazardous transportation limitations (non-imo).

Furthermore, with MAC AQUEOUS waterproofing of complex structures, vertical substrates is now easily done even in one coat as rheology such that, it allows easy application of this kind and the product displays minimum bubble formation even in high consumptions.

product data sheet

VERSION 1.0

MAC AQUEOUS

RECOMMENDED FOR

Waterproofing of:

- Complex structures (excellent rheology)
- Roof tiles, flat roofs
- Walls
- Verandas and balconies
- Wet rooms
- Planters boxes

Limitations

Not recommended for:

- ☐ Unsound substrates,
- ☐ Waterproofing of swimming pool surfaces in contact with chemically treated water.
- ☐ Not recommended for applications where high temperatures are involved. Not recommended for waterproofing under dark color tiles (exposed) or on thermo-insulating materials.

FEATURES & BENEFITS

- Highly Elastic
- Easy application even on vertical substrates
- Resistance to cold: The film remains elastic even down to -40 °C.
- Low solvent, non-Flammable
- Non-toxic after full cure.
- Water vapor transmission: The film breathes so there is no accumulation of humidity under the coat.
- Special primers available for almost any substrate.

APPLICATION PROCEDURE

Can be successfully applied on:

Concrete, fibrous cement, mosaic, cement roof tiles, old (but well adhered) acrylic and asphalt coats, wood, corroded metal, galvanized steel. For information about other substrates, please contact our tech department.

Standard concrete substrate conditions (no primer needed):

- ☐ Hardness: R28 = 15 Mpa.
- ☐ Humidity: W < 10%.
- ☐ Temperature: 5-35 °C.
- ☐ Relative humidity: < 85%.

Primer selection for special conditions and substrates: Please refer to the **Primer Selection Table**.

Clean the substrate using a high pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. Surface irregularities should also be filled

Priming: Apply the required primer following the guidelines

Mixing: Use a low speed (300 rpm) mixer. Add SOLVENT 5-10% for application by spraying.

Application: Apply with roller, brush or airless spraying (200-250 bar) in one or two coats. Do not exceed 48 hours between coats.



APPLICATION PROCEDURE



for exposed use, a protective topcoat **is required**.

CONSUMPTION

- Minimum total consumption:
1.5-2 kg/m² in one or two coats.

CLEANING

Clean tools and equipment first with paper and then using SOLVENT.
Rollers will not be re- usable.

PACKAGING

- 1 kg
- 6 kg
- 15 kg
- 25 kg
- 200 kg drums.

SAFETY INFORMATION

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. Please refer to the Material Safety Data sheet as issued at the time of purchase.



TECHNICAL SPECIFICATIONS



In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 oC	3000-6000
Specific weight	gr/cm3	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 oC	1.5

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	oC	-	-40 to 60
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	60
Tensile strength at break @ 23 oC	Kg/cm2 (N/mm2)	ASTM D412 / EN-ISO-527-3	30 (3.0)
Elongation @ 23 oC	%	ASTM D412 / EN-ISO-527-3	> 800
Water vapor transmission	gr/m2.hr	ASTM E96 (Water Method)	0.8
Water Absorption (7 days RT)	%	Internal Method	1

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