



product data sheet

VERSION 1.0

NIMACO

Low Viscosity,
Aliphatic,
Non-Staining
Polyurethane
Based Primer /
Concrete
Sealer,
for both Porous
& Non-Porous
Substrates

DESCRIPTION

MAC PRIMER CRYSTALLINE SPONGY is a one component, low viscosity, 100% aliphatic polyurethane based primer suitable for all substrates. It is characterised by its very low viscosity, excellent impregnation, non-yellowing (non-staining) properties combined with a relatively fast cure speed and most importantly its excellent adhesion on both non-porous and porous substrates. The cured film displays good mechanical properties: Its elongation is >50% and its tensile strength surpasses 40 N/mm².

Exceeds the requirements of EOTA (European Organization of Technical Approval)

MAC PRIMER CRYSTALLINE SPONGY

RECOMMENDED FOR

To be used as **primer** for:

- Sealants when a non staining primer is required
- Ceramic Tiles,
- Non-porous substrates like glass, marble & metals.

Also, for use as **Concrete Sealer**.

FEATURES & BENEFITS

- 100% Aliphatic Polyurethane; No yellowing, No staining
- One component.
- Of low viscosity.
- Relatively quick curing
- Adheres strongly, even on glassy, non-porous substrates.
- Excellent wetting, impregnation and paint-over time.
- Many pigment pastes available.

APPLICATION PROCEDURE

Clean the surface 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.
On non-porous surfaces use HCl acid or/and Viakal.
Apply with brush or roller depending on the surface to be primed at a consumption of 50-200 gr/m².
Ensure primer has cured before applying main membrane/sealant.



CONSUMPTION

50-200 gr/m², subject to substrate porosity.

CLEANING

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

PACKAGING

- 1lt
- 4lt
- 20lt

SAFETY INFORMATION

Can be kept for minimum 12 months in the original unopened pails at a temperature of 5 oC - 25 oC in dry places.
Once opened, use as soon as possible.

Contains volatile flammable solvents.
Apply in well-ventilated areas.
Do not smoke. Apply far away from naked flames.
In closed areas use force ventilation and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor.
Ask for MSDS (Material Safety Data Sheet)



TECHNICAL SPECIFICATIONS



In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 oC	20
Specific weight	gr/cm3	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 oC	0.9-0.95

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Tensile strength at break @ 23 oC	Kg/cm2 (N/mm2)	ASTM D412 / EN-ISO-527-3	400 (40)
Elongation @ 23 oC	%	DIN 52455 / EN-ISO-527-3	> 50
Dry to touch: <input type="checkbox"/> On DRY cement	hours	-	6
Application of main membrane	hours	-	12-24
Adhesion to cement	mPa	ASTM D1640	> 4

Certified quality, environmental and occupational health & safety management systems:
ISO 9001/14001 & OHSAS 18001. MAC P.C.S /EE/1-1-18

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