



APPLICATION PROCEDURE



Although **MAC CRYSTALLINE** looks coloured, especially when it is in large containers, it is stressed that the end result is, indeed, transparent.

CONSUMPTION

Minimum total consumption:
0.2-1.0 kg/m²
 according to application type.

CLEANING

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

PACKAGING

- 1 kg
- 5 kg
- 20 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.
 Contains a small quantity of volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.



TECHNICAL SPECIFICATIONS

In liquid form (before application):

80% dry matter in Xylol.

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 oC	1,000
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 oC	1.0
Solids	%	internal	80-85
Flash point	oC	ASTM D93, closed cup	42
Tack free time, @ 77 °F (25 °C) & 55% RH	hours	-	6
Recoat time	hours	-	6-24

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	oC	-	-40 to 80
Max. temperature short time (shock)	oC	-	200
Hardness	Shore D	ASTM D2240 / DIN 53505 / ISO R868	40
Tensile strength at break @ 23 oC	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	350 (35)
Percent elongation @ 23 oC	%	ASTM D412 / EN-ISO-527-3	> 350
Water vapor transmission	gr/m ² .hr	ASTM E96 (Water Method)	0.8

QUV Accelerated Weathering Test (4hr UV, @ 60 oC (UVB- Lamps) & 4hr COND @ 50 oC)	-	ASTM G53	passed (3,000 hours)
Thermal resistance (100 days @ 80 °C)	-	EOTA TR011	passed

Chemical (hydrolysis) resistance:

Potassium Hydroxide, 8%	10 days @ 50 oC	unaffected
Sodium Hypochlorite, 5%	10 days	unaffected
Water absorption	-	< 1.4%

NIMACO

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

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