

METATHANE

Polyurethane adhesion promoter on metal

Colourless

SUBSTRATE

Aluminium | Stainless steel



15-20m²/L



DESCRIPTION

METATHANE is a single-component adhesion promoter for polyurethane finishes on metal surfaces. This innovative product reinforces adhesion between a polyurethane primer (PA) or a polyurethane finish (VA2 varnish or L2 topcoat) and aluminium or stainless steel. It offers a simple and exclusive solution to the problems of adhesion of paint cycles on metal substrates. METATHANE acts by chemical bridging between the metal and the paint. After sanding or sandblasting, metal oxidises immediately. For this reason, it is essential to respect the cycle by quickly applying METATHANE followed by the polyurethane finish.

MAIN FEATURES

COVERAGE	15-20m ² /L (sand blasted surface) 20-30m ² /L (sanded substrate)
DRY EXTRACT	2-3 (% volume & weight)
FLASH POINT	24°C < FP < 28°C
UNIT SIZE	0,75L
TYPICAL SHELF LIFE	5 years
SPECIFICATION	Ready for use
THINNER / CLEANER	Do not thin out
FINISH	Colourless

DRYING AND OVERCOATING

TEMPERATURE	METAL	10°C	15 °C	20°C	30°C
Max. time after sanding	All	0-4h	0-4h	0-4h	0-4h
Polyurethane paint overcoating time	Alu	2h-24h	2h-24h	1h-24h	1h-24h
	Stainless steel	6h-24h	5h-24h	3h-24h	2h-24h

h=hours min=minutes

SURFACE PREPARATION

ON NEW METAL SURFACES

- Polish mechanically with P40 to deoxidise the surface. On hard-to-reach areas, remove rust chemically with Nautix SCOURING ACID and rinse quickly with fresh water.
- Make sure the substrate is dry, degreased with Nautix SD and free of dust.

ON PAINTED METAL SUBSTRATES

- Strip or sandblast the coating back to bare metal.
- Remove rust mechanically with P40 to deoxidise the surface. On hard-to-reach areas, chemically etch with Nautix SCOURING ACID and rinse quickly with water.
- Make sure the substrate is dry, degreased with Nautix SD and free of dust.

SPECIAL ADVICE

Prefer mechanical stripping and use a special aluminium disc (without ferrous particles).

Apply METATHANE as soon as possible (maximum 4 hours) after deoxidising and cleaning the surface (to avoid re-oxidation).

Wet the surface evenly and do not apply excessively.

Do not dilute.



HINTS

- Application methods: brush, roller, spray.
- Apply between 10 and 40°C (ideally with humidity below 85%).
- Do not paint a substrate if there is the slightest risk of condensation forming on the surface (dew point): The temperatures of the ambient air, the substrate and the product must be very close.
- Avoid application in adverse weather conditions: strong wind, direct sunlight, high/low temperatures, high humidity or rain.
- Do not use forced ventilation directed directly onto the surface.

APPLICATION

BRUSH/ROLLER

- Apply METATHANE within a maximum of 4 hours after deoxidizing the metal surface, and ensure that the entire substrate is covered.
- Overcoat METATHANE with a polyurethane paint, respecting the coverage time of the product.

SPRAY GUN

- 1-1.5 bar, nozzle 1.0-1.2 mm.
- Do not thin out

For optimum results, surface preparation, application of METATHANE and overcoating with polyurethane paint should be carried out within a maximum of 24 hours.

METATHANE can be overcoated with VA2 varnish, L2 topcoat or PA primer (on aluminium only).

INFOS

Number of coats: 1
Theoretical coverage per coat:
15-20m²/L (sand blasted surface)
20-30m²/L (sanded substrate)

INFORMATIONS

OPERATOR PROTECTION

- Paint for amateur and professional use. Dangerous product.
- Before use, read this sheet, the label and the product information carefully.
- Work in a well-ventilated area, wear protective clothing, gloves, goggles and a suitable mask.

TRANSPORT AND STORAGE

- The product must be transported and stored in hermetically sealed containers that are not permeable to solvents.
- Do not expose to the open air, sunlight or extreme temperatures. To keep the product in good condition, recap the can after use, turn the jars upside down and store between 10°C and 25°C. Do not expose to sunlight.

SAFETY

- Read the label and product information before use. Observe the precautions for use. Carefully read the safety advice given in the Health and Safety section, which is also available from Nautix and its retailers.
- All professional operators must wear appropriate protective clothing: coveralls in a colour that contrasts with the product being applied, disposable hooded under-suits, appropriate gloves and protective footwear that protects the lower limbs. Wear a respirator when spraying.

WASTE

- Empty cans and soiled waste must be disposed of in accordance with current municipal regulations on the treatment of hazardous products, for example by taking them to a waste collection centre or using dedicated bins. Do not dispose of waste in drains or waterways. Use the bins provided. It is advisable to allow paint residues to harden before disposing of them.

GENERAL

- The information given in this data sheet is not exhaustive. Anyone using this product for purposes other than those recommended, without prior written confirmation from us as to the feasibility of such use, does so at their own risk. Nautix cannot be held responsible. This information is subject to change without notice.