

METAPOX

Adhesion promoter for epoxy coatings over metal surfaces



PRODUCT DESCRIPTION

Nautix METAPOX is a 1-component adhesion promoter for epoxy coatings over metal surfaces. This new-generation product provides high adhesion between epoxy primer and metal.

METAPOX offers a simple, fast and reliable solution to Epoxy-to-metal adhesion issues. This colourless non-film-forming product prepares chemically the metal surfaces to Epoxy bonding.

After sanding or sandblasting, oxidation of metal surface will arrive shortly, and that's why it's recommended to respect strictly overcoating periods for METAPOX application, and then epoxy primer.

Nautix METAPOX was successfully tested on Aluminium, steel and stainless steel in highly demanding conditions.

PRODUCT INFORMATION

Finish	colourless
Coverage	15-20m ² /L (sandblasted surface) 20-30m ² /L (sanded surface)
Flash point	FP > 28°C
Unit size	0.5L – 1L
Typical shelf life	5 years
Product condition	Ready for use
Thinner/Cleaner	Nautix DP

Drying/Overcoating Information					
Temperature (°C)	Metal	10°	20°	30°	40°
Overcoating time after metal substrate preparation *	All	0-4h	0-4h	0-4h	0-4h
Overcoating time by epoxy coating *	Alu	2h – 10h	1h – 8h	1h – 6h	1h – 5h
	Stainless steel	3h – 12h	2h – 10h	2h – 8h	1h – 6h

d=days h=hours min=minutes

*Recommended time slot for 1 layer - Please refer to Application/ Important points

TYPE OF SURFACES

- Metal : Aluminium, stainless steel, steel, cast-iron, zinc, Bronze

SURFACE PREPARATION

Over new metal substrate

- Remove all superficial oxidation by mechanical scouring with P40 or P80 to create adhesion. On difficult accessible areas, use SCOURING ACID before paint application, and rinse with fresh water asap.
- Ensure the substrate to be dried, degreased with Nautix SD, and free of dust before paint application.
- Apply Nautix METAPOX.

Maintenance

- Remove old paints to start new preparation from metal substrate.
- Remove all superficial oxidation by mechanical scouring with P40 or P80 to create adhesion. On difficult accessible areas, use SCOURING ACID before paint application, and rinse with fresh water asap.
- Ensure the substrate to be dried, degreased with Nautix SD, and free of dust before paint application.
- Apply Nautix METAPOX.

Technical recommendation

For metal substrate preparation, we recommend to use mechanical scouring by using special metal disk paper.

Do not use thinner.

METAPOX should be applied as soon as possible (4 hours maximum) after scouring preparation and clean the surface (to avoid oxidation).

Apply METAPOX uniformly and without excess by moistening the surface.

Recommended primers over METAPOX : HPE, EPOXYGARD, or PE.

SAFETY INFORMATION

- Work in well-ventilated area (ensure adequate ventilation during use), wear suitable protective clothing, gloves, glasses and eye/face protection. Unprotected person must be kept away from treatment area. Dispose of protective gloves and equipment after use.
- Read the label safety section for Health and Safety Information before application.



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HINTS

- Application methods : brush, roller, conventional spray gun.
- Apply between 10 and 40°C (ideally inside with hygrometry rate no greater than 85%).
- Do not apply when there is a chance of condensation forming on the substrate (Dew-Point) : substrate, ambient air and product temperatures must be close.
- Avoid applying in adverse weather conditions : strong wind, strong sunlight, high/low temperatures, high humidity or rain.
- Favour natural solvent evaporation and do not heat ambient air after beginning of application. Do not use ventilator or heater directed on the surface.

APPLICATION

- Apply METAPOX 3 hours maximum after preparation of the metal substrate, and ensure all the surface to be moistened with the product.
- Overcoat METAPOX with epoxy primer by respecting recommended overcoating period.

Important : To get the best results, substrate preparation, application of METAPOX, and covering with epoxy primer must be done within 12 hours maximum interval.

Theoretical coverage :

- 15-20m²/L (sandblasted surface)
- 20-30m²/L (sanded surface)

Recommended epoxy primers for METAPOX overcoating :

- HPE
- EPOXYGARD
- PE

TRANSPORT, STORAGE, AND SAFETY INFORMATION

Transport and storage

- This product should be kept in securely closed containers during transport and storage.
- Exposure to air, sun, and extreme temperatures should be avoided. For the full shelf-life of the paint, be sure that the container is firmly closed between use and the storage temperature is between 10° and 25°C. Keep out of direct sunlight.

Safety

- Before use, read the label safety section for Health and Safety Information. For further details, please contact Nautix or its distributors.
- All professional operators must wear suitable protective clothing : coveralls of a contrasting colour to the product being applied, underneath a disposable coverall with hood, suitable gloves and impervious footwear that protects the lower leg. Wear suitable respiratory equipment (such as air fed respiratory protective equipment with combined protective helmet and visor) when spraying.

Disposal

Disposal of remainders must be arranged for in consultation with the authorities. Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Remainders of this product cannot be disposed of through the municipal waste route or dumped without permit.

General

The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk. Nautix can accept no responsibility for the performance of the product or for any loss or damage. The information contained in this sheet is liable to modification from time to time.

