

MARINE PAINTS

NAUTIX

TECHNICAL DATA SHEET

IA

Impregnation for cast iron



The above colours are not applications of our paints and are given for information only.

SUBSTRATE

Cast iron



14m²/L



DESCRIPTION

IA is a pore-filler impregnation paint for cast iron formulated on the basis of Desmodur™ resin catalysing by reaction with the humidity in the air. This impregnation is very easy to use, even in delicate outdoor working conditions. IA is easily applied in a thin coat, dries quickly, and does not require sanding before overcoating with PA primer. IA fills microporosities in the substrate to obtain a uniform base. IA is applied in the anti-corrosion cycle just before the PA primer. This product is for professional use only.

MAIN FEATURES

COVERAGE	14m²/L per layer <small>(see «application» section for details)</small>
DRY EXTRACT	58 (% volume) 75 (% weight)
FLASH POINT	23°C < FP < 55°C
UNIT SIZE	0.35L - 0,75L
TYPICAL SHELF LIFE	2 years
SPECIFICATION	Ready for use - Pro only
THINNER / CLEANER	NAUTIX DP
COLORS	Light grey
FINISH	Matt

DRYING AND OVERCOATING

TEMPERATURE	10°C	15°C	20°C	30°C
Touch dry	3h	2h	1h30	30min
2nd layer*	6h- 1 month	5h- 1 month	3h- 1 month	1h- 1 month

h=hours min=minutes

**Minimum overcoating time recommended*

SURFACE PREPARATION

ON NEW METAL SURFACES

- Polish the surface with P40 to promote adhesion.
- Remove all traces of oxidation.
- Apply the IA impregnation as quickly as possible.

ON PAINTED METAL

- Remove all loose coating
- Remove oxidation by sandblasting (SA1 finish minimum), grind or coarse sand, then quickly apply Nautix IA.
- Proceed as for the «new metal substrate» preparation.

SPECIAL ADVICE

Check the humidity of the cast iron before application.

Prick the keel to remove any scale deposits (shiny surface).

After sanding or sandblasting, quickly apply IA primer.

COMPATIBILITY

Important :

IA primer can be overcoated with a single-component PA primer (or two-component epoxy primer).

If you have any doubts about compatibility, remove the existing primer completely.



HINTS

- Take only the amount you need to apply. Close the jar immediately. An opened can must be used quickly.
- Correcting the profile with an epoxy coating should be done after the 1st coat of primer has been applied to the IA.
- Apply IA in 1 thin coat.
- It is not necessary to roughen between coats.
- Application methods: brush, roller. If the substrate is damaged, it is preferable to use a brush.
- Apply between 5 and 30°C, but can be applied from 0°C. Do not apply at less than 30% humidity.
- Do not paint a surface 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 directly on the surface.

APPLICATION

BRUSH/ROLLER

- Cross strokes when applying.
- Dilute Nautix DP by 5 to 10% max.

For best results, use a 14 mm textured or textured polyamide roller and change the roller sleeve regularly.

INFOS

Number of coats: 1

Theoretical coverage per coat: 14m²/L

Recommended WFT* per coat: 70µm

Recommended final DFT**: 43µm

*WFT : Wet Film Thickness / **DFT : Dry Film Thickness

INFORMATIONS

OPERATOR PROTECTION

- Product for professional use. This product contains isocyanates. Training is compulsory: <https://www.safeusediisocyanates.eu>
- 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.