



TECHNICAL DATA SHEET

3.3 ISALNOX ANTI-RUST

► Inoxmel Base

Anti-rust LEED-BREEAM primer

2383 / Version 11 / 05-03-2025



DESCRIPTION

Mono-component multi-purpose primer with outstanding adherence on a wide range of surfaces. Anti-rust. Water based. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications

PROPERTIES

- It protects metal against rusting.
- Good adhesion on difficult surfaces.
- Easy to brush and level.
- It can be finished with both one- and two-component aqueous or solvent-based products, allowing the time necessary indicated on this datasheet.
- It avoids the black stains produced by tannins on wood.

USES

For the protection of rust-free metallic surfaces such as: steel, galvanised steel and aluminium. It is also highly recommendable for sealing non-metallic surfaces such as : wood, gypsum and PVC.

TECHNICAL DATA

Appearance	Matt.
Colour	White and Sistema Tintométrico Esencia chart.
Thinner	Water.
Density at 20°C (Kg/L)	1.3 ± 0.05
Content in solids % volume	38 - 42
Yield	8 - 10 m ² /l (40 - 50 microns per coat)
Drying at 20°C (min)	30 - 60
Second coat	Water-based enamel: 4 h Solvent-based enamel: 24 h Two-component products: 48 h
% brush or roller dilution	0 - 5
% spray gun dilution	0 - 10
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 15,6 g/Kg

HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- Check the compatibility with the previous paint
- - Finish with water-based enable: wait for at least 4 hours after applying the last coat of Isalnox_Multi-Adhesive Primer. -
- Finish with synthetic enamel: wait for at least 4 hours after applying the last coat of Isalnox_Multi-Adhesive Primer.
- Finish with bi-component products: wait for at least 24 hours after applying the last coat of Isalnox_Multi-Adhesive Primer (For an average thickness of 40 - 50 microns of Isalnox_Multi-Adhesive Primer, at a temperature of 20°C and relative humidity of 65%)



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SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not apply at temperatures below 5°C .

RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

AMBIENT CONDITIONS:

Do not paint in rainy weather or at times of peak heat.

SURFACE PREPARATION

UNPAINTED SURFACES:

Wood:

- Removal of product residues and foreign substances. Must be properly sanded and, after removing all dirt, apply a suitable base coat according to the table of possible painting systems and sand gently. Then apply two coats of finish, sanding gently between layers.
- Paint using the normal procedure.

Iron and Steel:

- Remove any existing mill scale. Get rid of any remains of rust or already rusted material (sand blasting or by scraping and mechanical or manual brushing, see possibility of application of our rust converter if necessary), until the surface is free of rust. Apply 1 or 2 coats of anti-rust primer according to instructions given in the possible application systems.
- Paint using the normal procedure.

Concrete:

- Removal of product residues and foreign substances. Must be properly sanded and, after removing all dirt, apply a suitable base coat according to the table of possible painting systems and sand gently. Then apply two coats of finish, sanding gently between layers.
- Paint using the normal procedure.

Non-ferrous metals:

- Removal of product residues and foreign substances.
- Good adhesion on non-ferrous metals, although in the case of aluminium, it is recommended to carry out a previous adhesion test.

PRE-PAINTED SURFACES IN GOOD CONDITION:

Wood:

- If the surface is enamel coated, the existing enamel layer should be removed with our PAINT STRIPPER. Paint as if it were a new unpainted surface.
- Must be properly sanded and then all dirt is removed. It is advisable to apply 1-2 coats of wood filler to regulate surface absorption.
- Paint using the normal procedure.

PRE-PAINTED SURFACES IN POOR CONDITION:

Plaster/Cast plaster:

- Removal of product residues and foreign substances.
- Paint using the normal procedure.

Concrete:

- Removal of product residues and foreign substances.
- Paint using the normal procedure.

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POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application. At least two top coats are recommended.

FINISH INOXMEL BASE:

- Yield: 8 - 10 m²/l (40 - 50 micras secas)
- Coats: 1

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.