



TECHNICAL DATA SHEET

3.3 ISALNOX ANTI-RUST

► Isalnox Acqua enamel

Anti-rust enamel direct on metal

1999 / Version 4 / 05-03-2025



DESCRIPTION

Anti-rust enamel, formulated with new-generation quick-drying resins, suitable for direct painting on ferrous metal surfaces with no need for primer.

PROPERTIES

- Pleasant to the touch
- Good levelling and brushability.
- Good hardness.
- Protection against rusting.
- Good adherence directly on iron and non-ferrous substrates, such as galvanised steel, zinc and aluminium.
- Resistant to the negative effects of weathering.
- Does not require application of an anti-rust primer, except in aggressive environments, where it is recommended for a longer lasting effect and greater protection.
- Quick drying.
- Does not yellow.
- A faint smell that disappears when it dries.
- Interior and exterior application.

USES

Protection of a large variety of surfaces (duly primed) such as wood, plaster and iron. Anti-corrosion protection of ferrous surfaces such as: railings, fences, structures, doors, machinery, etc.

TECHNICAL DATA

Appearance	Satin.
Colour	Isalnox white, black and colour chart.
Viscosity (Brookfield RVT at 20°C). Poises	30 - 40
Density at 20°C (Kg/L)	1.20 ± 0.05
Content in solids % volume	42 - 45
Volatile Organic Compounds (COV).	Maximum product content 32,80 g/l
Yield	8 - 11 m ² /l (40 - 50 microns per coat)
Touch dry (20°C) (min)	30 - 60
Second coat (hours)	2 - 3
Thinner	Water.
% brush or roller dilution	0 - 5
% spray gun dilution	10 - 15
Cleaning of utensils and stains	With water before drying.

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.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.



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SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not paint at a temperature of below 5°C .

SURFACE TEMPERATURE:

It should be 2-3 °C above dew point during application

RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

AMBIENT CONDITIONS:

The paint should not be applied under conditions of excessive sunlight, strong winds, or if rain is forecast.

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SURFACE PREPARATION

UNPAINTED SURFACES:

Non-ferrous metals:

- Remove any rolling scale that might be left.
- Remove any rust or rusted material (by sandblasting or scraping and mechanical or manual brushing), until a rust-free surface remains.
- Paint using the normal procedure.

Concrete:

- Removal of product residues and foreign substances.
- Regulate high porosity by applying a coat of fixer (See possible application systems).
- Paint using the normal procedure.

Wood:

- Removal of product residues and foreign substances.
- Thoroughly sand the previous paint to facilitate adhesion.
- Paint using the normal procedure.

Iron and Steel:

- Remove any existing mill scale. Remove any rust or rusted material (by sandblasting or scraping and mechanical or manual brushing), until a rust-free surface remains. Apply 1 or 2 coats of anti-rust primer according to instructions given in the possible application systems.
- Paint using the normal procedure.
- It is advisable to apply an anti-rust primer for utmost protection of metal surfaces. (See possible application systems)

PRE-PAINTED SURFACES IN GOOD CONDITION:

Wood:

- Thoroughly sand the previous paint to facilitate adhesion.
- Apply one coat of fixer to close the pore and prevent high absorption in the subsequent application of paint.(See possible application systems)
- Paint using the normal procedure.

PRE-PAINTED SURFACES IN POOR CONDITION:

Iron and Steel:

- If the enamel-coated surface is not in ideal condition, the existing enamel layer should be removed with PAINT STRIPPER.
- Remove any existing mill scale. Remove any rust or rusted material (by sandblasting or scraping and mechanical or manual brushing), until a rust-free surface remains. Apply 1 or 2 coats of anti-rust primer according to instructions given in the possible application systems.
- It is advisable to apply an anti-rust primer for utmost protection of metal surfaces. (See possible application systems)

Concrete:

- Removal of product residues and foreign substances.
- Apply one coat of fixer to close the pore and prevent high absorption in the subsequent application of paint.(See possible application systems)
- Paint using the normal procedure.

Wood:

- If the enamel-coated surface is not in ideal condition, the existing enamel layer should be removed with PAINT STRIPPER.
- Removal of product residues and foreign substances.
- Thoroughly sand the previous paint to facilitate adhesion.
- Apply one coat of fixer to close the pore and prevent high absorption in the subsequent application of paint.(See possible application systems)
- Paint using the normal procedure.

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POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Isalnox water-based enamel. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case.

PRIMERS:

- Isalnox Water-based Multi-adhesive Primer: protection of rust-free metallic surfaces (steel, galvanised steel, aluminium, etc.), sealant for non-metallic surfaces (wood, gypsum, PVC, etc.) Yield: 8 - 10 m²/L. Coats: 1
- Isalnox acqua primer: protection of rust-free metal surfaces (steel, galvanized steel and aluminium...). Yield: 7-9 m²/l. Layers: 1

FINISH ISALNOX ESMALTE ACQUA:

- Yield: 8 - 11 m²/l (40 - 50 micras secas)
- Coats: 2

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.