



TECHNICAL DATA SHEET

3.3 ISALNOX ANTI-RUST

► Isalnox Enamel (Satin)

Anti-rust enamel direct on metal

1995 / Version 5 / 05-03-2025



DESCRIPTION

Quick-drying anti-rust enamel, which can be directly painted on ferrous metal surfaces without needing to prime beforehand.

PROPERTIES

- Good adherence directly onto iron and steel. Apply primer before use on non-ferrous and plastic polymer surfaces (galvanised steel, zinc, aluminium, PVC, copper, etc.).
- Protection against rusting.
- Good flexibility.
- Resistant to the negative effects of weathering.
- Does not crack.
- Excellent brushability and levelling.
- 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.
- Interior and exterior application.

USES

Specially designed for decoration and anti-corrosion protection for ferrous surfaces such as: grilles, railings, fences, structures, doors, machinery, etc.

TECHNICAL DATA

Appearance	Glossy.
Colour	ISALNOX white, black and colour chart.
Density at 20°C (Kg/L)	1 - 1.3
Content in solids % volume	48 - 54
Volatile Organic Compounds (COV).	Maximum product content 495,30 g/l,
Yield	10 - 15 m ² /l (40 - 50 microns per coat)
Touch dry (20°C) (min)	30
Second coat (hours)	4
Thinner	D-90, D-10
Brush or roller dilution	5 - 10 % with D-90
Spray gun dilution	5 - 10 % with D-10
Fire Resistance classification (EN13501-1)	A2-s1-d0

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.
- Use of an anti-rust primer is only advised for aggressive environments, providing a longer lasting effect and greater protection.



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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 when painting.

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 efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- It is advisable to apply an anti-rust primer for utmost protection of metal surfaces. (See possible application systems)
- Paint using the normal procedure.

Iron and Steel:

- 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.
- It is advisable to apply an anti-rust primer for utmost protection of metal surfaces. (See possible application systems)
- Paint using the normal procedure.

Wood:

- Removal of product residues and foreign substances.
- Sand and apply one or two coats of primer and leave to dry for a minimum of 48 hours.
- Paint using the normal procedure.

Concrete:

- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- 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 GOOD CONDITION:

Iron and Steel:

- Clean and degrease the surface to avoid problems of adherence caused by grease or other types of products that may alter the product's adhesion to the surface.
- Paint using the normal procedure.

Wood:

- Sand and apply one or two coats of primer and leave to dry for a minimum of 48 hours.
- Paint using the normal procedure.

PRE-PAINTED SURFACES IN POOR CONDITION:

Wood:

- If the enamel-coated surface is not in ideal condition, the existing enamel layer should be removed with PAINT STRIPPER.
- Sand and apply one or two coats of primer and leave to dry for a minimum of 48 hours.
- Paint using the normal procedure.

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 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.
- Suitably protect by applying two coats of anti-rust primer. (See possible application systems)
- Paint using the normal procedure.

Concrete:

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- 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.

POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Isalnox enamel. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case. For exteriors it is necessary to apply a minimum of two coats, equivalent to an approximate thickness of 100 microns, to ensure adequate protection of metal substrates.

PRIMERS:

- Isalnox Primer: anti-rust protection for ferrous surfaces. Yield: 10 - 13 m²/L. Coats: 1
- Isalnox Multi-adhesive Primer: protection of rust-free metallic surfaces (steel, galvanised steel, aluminium, etc.), sealant for non-metallic surfaces (wood, gypsum, PVC, etc.) Yield: 10 - 12 m²/L. Coats: 1
- Improx HS Primer: high solids anti-corrosion synthetic primer with ultra-fast drying for the temporary maintenance of metal structures. Coverage: 4 - 8 m² / L in thicknesses of 40-50 microns.

FINISH ISALNOX ESMALTE (SATINADO):

- Yield: 10 - 15 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: 24 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.