



## TECHNICAL DATA SHEET

### 3.3 ISALNOX ANTI-RUST

#### ► Isalnox Antioxidant enamel (Glossy)

1121 / Version 6 / 05-03-2025



## DESCRIPTION

Fast-drying antioxidant enamel, suitable for direct painting on ferrous metal surfaces without the need for a previous primer.

## PROPERTIES

- 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.
- Easy to apply and level.
- Quick drying.
- Does not yellow.
- It protects metal against rusting.
- 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.).

## USES

Specially designed for the decoration and anticorrosive protection of iron substrates such as bars, fences, railings, structures, doors, machinery, etc.

## TECHNICAL DATA

<b>Appearance</b>	Glossy.
<b>Colour</b>	White.
<b>Thinner</b>	D-10, D-90
<b>Viscosity (Copa Ford No. 4). Seconds.</b>	300 - 400
<b>Density at 20°C (Kg/L)</b>	1.21
<b>Content in solids % volume</b>	55
<b>Yield</b>	12 m <sup>2</sup> /l (45 microns dry)
<b>Touch dry (hours)</b>	2
<b>Second coat (hours)</b>	4
<b>Fire Resistance classification (EN13501-1)</b>	A2-s1-d0
<b>Brush or roller dilution</b>	5 - 10 % with D-90
<b>Spray gun dilution</b>	5- 10 % with D-10
<b>Volatile Organic Compounds (COV).</b>	Maximum product content 465,70 g/l

## 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.

#### SURFACE PREPARATION

##### UNPAINTED SURFACES:

###### Wood:

- 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)

###### Concrete:

- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE. Regulate absorption by applying a suitable fixer/primer (See possible application systems)

###### Iron and Steel:

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

###### Non-ferrous metals:

- 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.

##### 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 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.

###### Wood:

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

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#### POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun to apply Isalnox Esmalte, although a spray gun is preferable. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case. Radiators must be switched off and cold before starting painting. Do not use on electric or oil-filled radiators. Once they have been painted, the radiators should remain switched off and at ambient temperature for a minimum of 72 hours before they are put into operation. Once it has been switched on, ventilate the room for 12 hours.

#### PRIMERS:

- Isalnox Primer: anti-rust protection for ferrous surfaces. Yield: 10 - 13 m<sup>2</sup>/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 m<sup>2</sup>/L. Coats: 1
- Sella Matt sealing paste: synthetic sealant for sealing and filling wood, plaster and/or cast plaster. Yield: 13 - 18 m<sup>2</sup>/L. Coats: 1
- Xanol Sealant: sealing and filling of wood surfaces. Yield: 8 - 12 m<sup>2</sup>/L. Coats: 1

#### FINISH ISALNOX ESMALTE (BRILLO):

- Yield: 12 m<sup>2</sup>/l (45 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](http://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.