



TECHNICAL DATA SHEET

3.1 SOLVENT BASED

► Isaltex Metalised enamel

High-performance synthetic enamel

1103 / Version 3 / 05-03-2025



DESCRIPTION

High performance metallic synthetic enamel.

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.).
- Resistant to the damaging effects of the outdoors.
- There is no need to apply an anti-rust primer, except in aggressive environments, where it is recommended for a longer lasting effect and greater protection.
- Provides lasting protection against chemical cleaning agents.
- Does not yellow.
- Does not fall off or drip.
- Good levelling and brushability.
- Quick drying.
- Interior and exterior application.

USES

Especially designed for painting materials such as: steel, wood and all kinds of surfaces adequately treated, sealed and primed.

TECHNICAL DATA

Appearance	Gloss metallic.
Colour	Metallic grey (Ral 9006) and colour chart.
Density at 20°C (Kg/L)	0.94
Viscosity (Copa Ford No. 4). Seconds.	300 - 450
Content in solids % volume	46
Volatile Organic Compounds (COV).	Maximum product content 496,20 g/l
Yield	12 - 16 m ² /l (30-40 microns per coat)
Drying powder (min)	20
Touch dry	2 - 3 h
Second coat	24 h
Thinner	D-10, D-90.
Brush or roller dilution	0 - 5 %
Spray gun dilution	0 - 5 % with D-10

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 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:

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.

Non-ferrous metals:

- 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.

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.).
- To seal porous concrete it is advisable to use a suitable sealant according to the table of possible application systems.
- Paint using the normal procedure.

PRE-PAINTED SURFACES IN GOOD CONDITION:

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.
- 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:

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

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POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Isaltex metallic finish. For exteriors it is necessary to apply a minimum of two coats, equivalent to an approximate thickness of 80 microns, to ensure adequate protection of metal substrates. Prior to the top coat and depending on the wall apply sealant suitable for the yield specified in each case.

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
- Improxy 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 ISALTEX ESMALTE METALIZADO:

- Yield: 10 - 16 m²/l (30-40 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.