



TECHNICAL DATA SHEET

3.1 SOLVENT BASED

► Enampox 2 comp. epoxy enamel

Polyamide epoxy enamel

1080 / Version 7 / 04-03-2025



DESCRIPTION

Two-component epoxy-polyamide enamel with high mechanical and chemical resistance.

PROPERTIES

- Excellent adhesion to steel, galvanised, aluminium, etc. as well as to cement and concrete.
- High resistance to aggressive chemical agents such as: petrol, diesel, lubricating oil, detergents, dilute acids and bases.
- High hardness and resistance to vehicle traffic.
- Good resistance to abrasion and wear.
- For interior use

USES

Highly recommended for painting all kinds of metallic structures used for the construction or manufacture of industrial machinery that require high chemical and physical resistance. This paint is for indoor use, as outdoors it is subject to chalking and colour fading.

TECHNICAL DATA

Appearance	Satin.
Colour	Green, grey, red and colours from RAL catalogue.
Thinner	D-100.
Viscosity (Brookfield RVT at 20°C). Poises	30 - 60
Density at 20°C (Kg/L)	1.3 - 1.4
Content in solids % volume	56
Gloss (UNE EN ISO 2813)	60° angle: 80% ; 85° angle: 94%.
Volatile Organic Compounds (COV).	Maximum product content 496,50 g/l
Yield	10 -14 m ² /l (40 - 50 microns)
Touch dry	2 h
Second coat	minimum 6 h - maximum 24 h
Maximum hardness (days)	8
Mixing ratio	3 to 1 in volume
Useful life of mixture	6 h
% maximum dilution	0 - 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.
- Mix with the hardener and wait 10 minutes before starting painting. Use a roller for application. It should have a short nap and the lint must be removed before starting work.
- 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 apply at temperatures below 10°C or above 30°C.

SURFACE TEMPERATURE:

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

RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

SURFACE PREPARATION

UNPAINTED SURFACES:

Decompacted:

- The paving must be in the very best condition as regards optimum preparation, i.e. clean, dry and even. Wait to complete setting (1 month).
- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- It is essential to regulate porosity on the surface to ensure penetration and anchorage of the paint; to achieve this, the best outcomes are obtained using mechanical methods, which remove any type of unwanted substance or foreign body and regulate surface porosity.
- If mechanical treatment cannot be carried out, use at least one chemical treatment: remove foreign or undesired agents using diluted hydrochloric acid, then remove the acid residues with plenty of water. Allow the surface to dry and then paint as normal.
- To seal porous concrete it is advisable to use a suitable sealant according to the table of possible application systems.

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.

PRE-PAINTED SURFACES IN POOR CONDITION:

Pre-painted surface in poor condition:

- If the surface is in poor condition or flaking, poorly adhered residues must be removed using chemical or mechanical stripping
- See compatibility with the previous paint.
- Clear oil or grease residue.
- Thoroughly sand the previous paint to facilitate adhesion.

POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Enampox satin finish. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case.

PRIMERS:

- Imprex HS: anti-rust epoxy primer with high solids. Yield: 6 - 10 m²/L. Microns: 100
- Imprex Two-component epoxy primer: anti-rust epoxy primer. Yield: 10 - 12 m²/L Microns: 40 - 50
- Imprex RZ: anti-rust epoxy primer for highly corrosive environments. Yield: 11 - 14 m²/L Microns: 50
- Imprex MIO: anti-rust epoxy primer for highly corrosive environments. Yield: 10 - 14 m²/L Microns: 60

FINISH ENAMPOX ESMALTE EPOXI 2 COMP.:

- Yield: 10 - 14 m²/l (40 - 50 micras secas)
- Coats: 2

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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.