



## TECHNICAL DATA SHEET

### 4.2 SOLVENT BASED

#### ► Imprex HS

High solids epoxy primer

1573 / Version 3 / 05-03-2025



## DESCRIPTION

High solids and high performance epoxy primer with excellent adhesion on different surfaces.

## PROPERTIES

- High solids.
- It protects metal against rusting.
- High physical and chemical resistance.
- Can be painted with a large range of paints.
- Can be applied on top of most finishing paints.
- Good adherence directly on iron and non-ferrous substrates, such as galvanised steel, zinc and aluminium.

## USES

For painting industrial structures, civil and all kinds of metallic elements exposed to adverse conditions.

## TECHNICAL DATA

Appearance	Semi-gloss.
Colour	White and RAL colour chart.
Thinner	D-100.
Density at 20°C (Kg/L)	1.48 - 1.53
Content in solids % volume	85 ± 3.
Volatile Organic Compounds (COV).	Maximum product content 137,80 g/l
Mixing ratio	1-1 in volume
Useful life of mixture	1.5 h
Saline mist (UNE EN ISO 9227)(hours)	No blistering or rust can be seen.
Yield	Approx. 8 m <sup>2</sup> /l (100 microns per coat)
Touch dry	7 - 8 h
Second coat	18 - 20 h maximum
Total cure at 20°C (days)	8
% brush or roller dilution	5 - 8
% spray gun dilution	- Airbrushing spray gun: 10 - Airmix spray gun: 0-10 - Airless spray gun: 0-8

## HOW TO APPLY

- Stir the product until totally smooth.
- Add the hardener to the base and stir mechanically at 300 rpm for 3 minutes.

## SURFACE AND AMBIENT CONDITIONS

### AMBIENT TEMPERATURE:

Do not apply at temperatures below 10°C

### RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

### AMBIENT CONDITIONS:

Do not paint in rainy weather or at times of peak heat.



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## SURFACE PREPARATION

### UNPAINTED SURFACES:

#### Concrete:

- Wait until completely set (min. 30 days).
- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- If the paint is old or badly adhered with defects such as chalking, blistering, peeling, cracking, etc., it must be completely removed and then apply a coat of transparent acrylic fixer. (see possible application systems)
- See compatibility with the previous paint.

#### Non-ferrous metals:

- On galvanized steel, aluminium, brass and light alloys, among others, light mechanical or manual sanding is recommended in order to improve adhesion.
- Paint using the normal procedure.

#### Iron and Steel:

- Then carry out treatment up to Sa2 grade.
- Spraying abrasive onto almost white metal, so that at least 95% of each portion of the total surface is free from any visible residue.
- Very careful spraying The jet is maintained on the surface and for the time necessary to ensure that the rolling scale, rust and foreign matter are removed in such a way that any residue appears only as light shadows or surface stains.
- Finally, remove the abrasive dust with a vacuum cleaner, with clean, dry compressed air or with a clean brush.

## POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Imprex HS epoxy. During application, overlap each coat halfway to avoid the possible appearance of defects or needle points. This will avoid premature deterioration of the covering. In the case of metals, pay attention to rounded edges, sharp edges and welds.

### FINISH IMPREX HS:

- Yield: 8 m<sup>2</sup>/l (100 micras secas)
- Coats: 1

## 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.

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## 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.