



## TECHNICAL DATA SHEET

### 1.1 PROTECTION AND FINISHING



#### ► Impermisal Smooth matt

Environmentally-friendly Waterproofing

1272 / Version 13 / 08-09-2023



## DESCRIPTION

Waterproofing 100% acrylic of maximum quality for decorating and protecting façades. Complies with UNE-EN 1504-2:2004 standard for Products and systems for the protection and repair of concrete structures. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications

## PROPERTIES

- Water-repellent and rainwater-proof.
- Water vapour-permeable, allowing transpiration of the support.
- Highly resistant to the damaging effects of the outdoors.
- Due to the pearlescent effect it is self-cleaned with rainwater.
- Effective non-carbonating barrier due to its high resistance to CO2 diffusion.
- Resistant to the alkalinity of the surface, such as cement mortars, concrete, brick, etc.
- With anti-mould paint preservative for film, avoids the appearance of fungus and algae spots on its surface.
- Good adhesion to common construction materials.
- Good flexibility.
- Classification pursuant to NF T 36005: Family I Class 7b2
- Classification pursuant to NF DTU 59.1: D2
- Classification pursuant to NF EN 1062-1: E3 V2 W3 A0 C1

## USES

Its high quality makes it ideal for decorating and protecting buildings and ornamental elements. It is especially indicated for preventing the harmful effects caused by damp on north/north-west facing walls or in very damp areas. Excellent non-carbonating barrier for concrete.



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## TECHNICAL DATA

<b>Appearance</b>	Silky matt.
<b>Colour</b>	White and colours from the Esencia and Coloritud charts.
<b>Thinner</b>	Water.
<b>Viscosity (Brookfield RVT at 20°C). Poises</b>	150 - 200
<b>Density at 20°C (Kg/L)</b>	1.47 ± 0.05
<b>Content in solids % volume</b>	46
<b>Gardner washability (UNE 48284) (dp)</b>	More than 10,000 cycles
<b>Wet scrub resistance (UNE-EN ISO 11998)</b>	Class 1
<b>Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm2)</b>	2
<b>Liquid water permeability (UNE-EN 1062-3:2008 ) (Kg/m2h0.5)</b>	0.01
<b>Water vapour permeability (UNE-EN ISO 7783:2) (m)</b>	0.2
<b>CO2 permeability (UNE-EN 1062-6:2003) (Sd (m))</b>	91, satisfactory
<b>Accelerated ageing (EN 1062-11)</b>	Unchanged
<b>Fire Resistance classification (EN13501-1)</b>	A2s1d0
<b>Yield (m<sup>2</sup>/L):</b>	8 - 12
<b>Touch dry (20°C) (min)</b>	60
<b>Second coat (hours)</b>	3
<b>Total drying (days)</b>	15 - 20
<b>% brush or roller dilution</b>	0 - 15
<b>% spray gun dilution</b>	10 - 15
<b>Cleaning of utensils and stains</b>	With water before drying.
<b>Volatile Organic Compounds (COV).</b>	Maximum product content < 1,47 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 not, the surface must be cleaned properly and prepared with a coat of appropriate fixer.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.

## SURFACE AND AMBIENT CONDITIONS

### AMBIENT TEMPERATURE:

Do not paint at a temperature of below 7°C .

### RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

### AMBIENT CONDITIONS:

Do not paint under conditions of excessive sunlight, strong winds, or if rain is forecast.

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## SURFACE PREPARATION

### UNPAINTED SURFACES:

#### Fibre cement:

- Eliminate high alkalinity and regulate absorption by applying a suitable fixer/primer (See possible application systems)

#### Cement mortar:

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

#### Plaster/Cast plaster:

- Apply one coat of fixer to close the pore and prevent high absorption in the subsequent application of paint.(See possible application systems)
- Apply one coat of fixer/primer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint. (See possible application systems)

#### Concrete:

- Wait until completely set (min. 30 days).
- Removal of stripping substances

### PRE-PAINTED SURFACES IN GOOD CONDITION:

#### Pre-painted surface in good condition:

- Regardless of the support to be repainted, its appearance must be homogenised; in other words, adjust the surfaces that are shiny to help to open the pores and foster adhesion. Check the adhesion and resistance of the paint. Correct any texture or planimetry differences that may exist with RHONA repair mortars. Test compatibility between coats.

### PRE-PAINTED SURFACES IN POOR CONDITION:

#### Diseased:

- Surfaces with mould and algae: Removal and disinfection of mould or algae by vigorously rubbing the stain with a brush using household bleach or 10 volume hydrogen peroxide. It is finished with two finishing coats with anti-mould preservative for film protection.
- Surfaces with metal salts: These, coming from the slabs, are reddish or yellowish in colour; they must be covered with two coats of suitable anti-stain paint and then painted as normal.
- Surfaces with efflorescence: Scrub vigorously with a brush and subsequent chemical treatment with diluted ZINC SULPHATE and then apply two coats of finish.
- Surfaces with moisture: Fix building materials that are crumbling due to damp with a suitable fixer, creating a foundation for correct settlement on the subsequent application of two coats of product at the dilutions indicated in this data sheet.

#### Brittle:

- 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)
- Regardless of the support to be repainted, its appearance must be homogenised; in other words, adjust the surfaces that are shiny to help to open the pores and foster adhesion. Check the adhesion and resistance of the paint. Correct any texture or planimetry differences that may exist with RHONA repair mortars. Test compatibility between coats.

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## POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Impermisal smooth matt. At least two top coats are recommended. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case.

### PRIMERS:

- Fixacril Solvent-based acrylic fixer: Non-consolidated absorbent surfaces: Yield: Concrete: 15-20 m<sup>2</sup>/L. Cement mortars: 10-15 m<sup>2</sup>/L. Fibre cement: 10 - 15 m<sup>2</sup>/L. Plaster/Cast plaster: 5 - 15 m<sup>2</sup>/L. Painted surfaces: 15 - 20 m<sup>2</sup>/L. Coats: 1
- Fixenol Consolidating primer: indicated for fixing, consolidating and sealing mineral substrates (cement mortar, concrete, Catalan tile, etc.) Yield: Concrete: 15-20 m<sup>2</sup>/L. Cement mortars: 10-15 m<sup>2</sup>/L. Fibre cement: 10 - 15 m<sup>2</sup>/L. Plaster/Cast plaster: 5 - 15 m<sup>2</sup>/L. Painted surfaces: 15 - 20 m<sup>2</sup>/L. Coats: 1
- Fixenol Pigmented: non-homogeneous surfaces (various materials, areas with different colours, repairs, etc.), where FIXENOL PIGMENTED is to be applied in the desired colour, in order to regularise the colour, absorption and appearance of the surface. Yield: 8 - 15 m<sup>2</sup>/L. Coats: 1
- Isacrílico Sealing emulsion: consolidating primer for porous surfaces. Undiluted product yield: Concrete. 30-60 m<sup>2</sup>/L. Cement mortars: 15-20 m<sup>2</sup>/L. Fibre cement: 15 - 25 m<sup>2</sup>/L. Plaster/Cast plaster: 10 - 15 m<sup>2</sup>/L. Painted surfaces: 15 - 40 m<sup>2</sup>/L. Coats: 1

### FINISH IMPERMISAL LISO MATE:

- Yield: 8 - 12 m<sup>2</sup>/l
- 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: 12 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". Data on this Sheet are based on laboratory tests. The measures taken "on site" may vary due to circumstances beyond our control.