



## TECHNICAL DATA SHEET

### 2.1 HIGH PERFORMANCE MATT PRODUCTS



#### ► Isablock Sanitising effect

Acrylic paint with silver ions

1781 / Version 7 / 05-03-2025



## DESCRIPTION

Water-based acrylic paint containing silver ion-based compounds that provide a permanent protective shield against bacterial growth within the layer of paint once coated. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

## PROPERTIES

- The silver ions present in the paint film have a sanitising action that prevents the proliferation of bacteria on it.
- The sanitising effect is stable over time, increasing as the surface is washed or rubbed.
- Easy to remove stains from its surface without leaving any marks.
- High resistance to household cleaning products.
- Water-repellent and rainwater-proof.
- Water vapour-permeable, allowing transpiration of the support.
- Indirect contact with food.
- Exceptional adhesion to the most common construction materials.
- Great whiteness.
- Almost absolute absence of odour
- Does not yellow, splash or drip.
- Classification pursuant to NTP 319.216. Type I.
- Contributes to BREEAM and LEED certification.

## USES

Particularly recommended for painting and touching up rooms that have to be aseptic environments to minimise the risk of infectious disease transmission, such as health centres, schools, kindergartens, social canteens, residences, etc. The use of ISABLOCK should be considered as part of a comprehensive hygiene system and it should never replace cleaning processes or the use of suitable disinfectants.

## TECHNICAL DATA

<b>Appearance</b>	Silky matt.
<b>Colour</b>	White.
<b>Thinner</b>	Water.
<b>Viscosity (Brookfield RVT at 20°C). Poises</b>	120 - 150
<b>Density at 20°C (Kg/L)</b>	1.37 ± 0.05
<b>Content in solids % volume</b>	47
<b>Wet scrub resistance (UNE-EN ISO 11998)</b>	Class 1
<b>Gardner washability (UNE 48284) (dp)</b>	More than 10,000 cycles
<b>Liquid water permeability (UNE-EN 1062-3:2008) (Kg/m2h0.5)</b>	0.02, low
<b>Water vapour permeability (UNE-EN ISO 7783:2) (m)</b>	0.34, medium
<b>Opacity (ISO 6504-3)</b>	Class 2 for a yield of 8 m <sup>2</sup> /litre corresponding to 2 coats of paint.
<b>Yield (m<sup>2</sup>/L):</b>	8 - 12
<b>Drying at 20°C (min)</b>	60
<b>Second coat (hours)</b>	3
<b>% brush or roller dilution</b>	0 - 15
<b>% spray gun dilution</b>	10 - 15
<b>Total drying (days)</b>	15 - 20
<b>Cleaning of utensils and stains</b>	With water before drying.
<b>Volatile Organic Compounds (COV).</b>	Maximum product content 5,72 g/l
<b>Adhesion by direct traction (UNE-EN 1542) (MPa)</b>	1.35



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## 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:

It is not recommended to paint in rainy weather or at times of peak heat.

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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/primer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint. (See possible application systems)

#### Plasterboard boards:

- Carry out general sanding of the joints and fixing areas. Perform cleaning to ensure that the support is clean of dust, grease and other contaminants. Proceed to painting.
- Regulate high porosity by applying a coat of fixer (See possible application systems).

#### Concrete:

- Wait until completely set (min. 30 days). Removal of stripping substances. Regulate absorption with the application of a suitable fixer/primer

### 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:

#### 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)

#### 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.

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## POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Isablock. 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:

- Acquatex Primer: Non-ferric metal surfaces free from rust (stainless steel, galvanised steel, aluminium, etc.). Non-metallic surfaces (wood, plaster, PVC, tiles, etc.)Yield: 8-12 m<sup>2</sup>/L. Coats: 1
- 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 ISABLOCK:

- 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](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.