



TECHNICAL DATA SHEET

2.1 HIGH PERFORMANCE MATT PRODUCTS



► Austral

Photocatalytic paint

2379 / Version 8 / 04-03-2025



DESCRIPTION

SMART PAINT of an aqueous nature, matt, protective of both vertical (walls) and horizontal (ceilings) surfaces, with photocatalytic activity that makes it ideal for significantly reducing odors and atmospheric pollutants in application areas. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

PROPERTIES

- Good adhesion to common construction materials.
- High opacity.
- Great whiteness.
- Does not yellow, splash or drip.
- Good wet scrub resistance.
- Pleasant to the touch
- Low VOC content.
- Photocatalytic effect with both UV light and visible light.
- Improves air quality by reducing contaminants.
- Removal of bad smells related to certain chemical agents (nicotine, etc.).
- Reduction of the presence of microorganisms.
- Permanent effects from its cleaning activity.

USES

Specially designed for interior painting of walls and ceilings, where a polishing and sanitizing finish is sought, both on smooth and in droplet surface.

TECHNICAL DATA

Appearance	Matt
Colour	White.
Thinner	Water
Viscosity (Brookfield RVT at 20°C). Poises	120 - 160
Density at 20°C (Kg/L)	1.60 ± 0.05
Content in solids % volume	63
Yield (m²/L):	8 - 10
Opacity (ISO 6504-3)	Class 1 for a yield of 4.5 m²/litre corresponding to 2 coats of paint.
Touch dry (20°C) (min)	30
Second coat (hours)	3 - 4
Total drying (days)	15 - 20
Wet scrub resistance (UNE-EN ISO 11998)	Class 2
% brush or roller dilution	0 - 15
% spray gun dilution	10 - 15
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 2,1 g/Kg

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.



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SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not paint below 7 ° C ambient temperature.

RELATIVE HUMIDITY:

Do not paint with relative humidity above 80%.

AMBIENT CONDITIONS:

It is not recommended to paint in rainy weather or in the hours of maximum heat.

SURFACE PREPARATION

UNPAINTED SURFACES:

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).

Plaster/Cast plaster:

- Porous plaster: Apply one coat of suitable fixer to close the pores and prevent high absorption in the subsequent application of paint.
- Fragile plaster: Apply one coat of suitable fixer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint.

Concrete:

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

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)

Fibre cement:

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

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:

- 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)
- 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

The normal application of Austral can be done by brush, roller or spray gun. Minimum two coats of finish is recommended. Before finishing and depending on the facing, apply the appropriate primer to the performance 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 m²/L. Coats: 1
- Fixacril Solvent-based acrylic fixer: Non-consolidated absorbent surfaces: Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/L. Coats: 1
- Fixenol Consolidating primer: indicated for fixing, consolidating and sealing mineral substrates (cement mortar, concrete, Catalan tile, etc.) Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/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 m²/L. Coats: 1
- Isacrílico Sealing emulsion: consolidating primer for porous surfaces. Undiluted product yield: Concrete. 30-60 m²/L. Cement mortars: 15-20 m²/L. Fibre cement: 15 - 25 m²/L. Plaster/Cast plaster: 10 - 15 m²/L. Painted surfaces: 15 - 40 m²/L. Coats: 1

FINISH AUSTRAL:

- Yield: 8 - 10 m²/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, nor 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.