



TECHNICAL DATA SHEET

2.1 HIGH PERFORMANCE MATT PRODUCTS



► Silicoval

Silicone resin paint

2262 / Version 7 / 05-03-2025



DESCRIPTION

Indoor paint with silicone components, matt finish, VOC-free and odour-free. Especially recommended for plasterboard coating. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

PROPERTIES

- Free of solvents and volatile organic compounds (VOC)
- Good adhesion to common construction materials.
- Water vapour-permeable, allowing transpiration of the support.
- Very high opacity and whiteness.
- Does not yellow.
- Longer working times to reduce splicing
- High workability.
- With anti-mould paint preservative for film, avoids the appearance of fungus and algae spots on its surface.

USES

Use is recommended directly on plasterboard without need for prior preparation, thanks to its exceptional adherence and quality. Given the absence of any emissions, its use is appropriate in schools, hospitals, nursing homes, nurseries, public buildings, hotels, restaurants, offices, museums and private homes.

TECHNICAL DATA

Appearance	Matt.
Colour	White and colours from the Sistema tintométrico Esencia charts.
Thinner	Water.
Viscosity (Brookfield RVT at 20°C). Poises	180 - 200
Density at 20°C (Kg/L)	1.5 ± 0.05
pH	8.0 - 9.0
Content in solids % volume	41
Wet scrub resistance (UNE-EN ISO 11998)	Class 2
Fire Resistance classification (EN13501-1)	A1
Opacity (ISO 6504-3)	Class 1. Covering power V0.98: 10-13 m ² /L.
Yield (m²/L):	10 - 15
Touch dry (20°C) (min)	60
Second coat (hours)	3 - 4
% spray gun dilution	10 - 15
% brush or roller dilution	0 - 15
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 1.26 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 at a temperature of below 5°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.

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.
- Apply one coat of fixer to close the pore and prevent high absorption in the subsequent application of paint.(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

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)

Fibre cement:

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

Cement mortar:

- Surfaces with efflorescence: Scrub vigorously with a brush and subsequent chemical treatment with diluted ZINC SULPHATE and then apply two coats of finish.

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.
- If the surface to be painted has a non-homogeneous appearance (various materials, areas with different colours, repairs, etc.), it is recommended to apply a coat of opaque acrylic primer in the desired colour, in order to regularise the colour, absorption and appearance of the surface (See possible application systems).

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.

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)

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2.1 HIGH PERFORMANCE MATT PRODUCTS

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POSSIBLE APPLICATION SYSTEMS

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

- Yield: 10 - 15 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, 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.