TECHNICAL DATA SHEET

1.1 PROTECTION AND FINISHING

▶ Thermal insulating elastic

Waterproofing acrylic 100%

1267 / Version 6 / 18-03-2026

DESCRIPTION

Waterproofing acrylic thermal insulator of maximum quality for decorating and protecting façades. 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.
- Elastic, does not split or crack with shrinkage and expansion of the surface as a result of temperature changes. Bridge cracks and fissures.
- Photocrosslinking, avoids the stickiness on the surface, markedly reducing soiling.
- 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.
- It provides a good thermal insulation (cold-heat) due to the low thermal conductivity of the film, minimising temperature changes through the wall. It complies with the requirements of the Technical Building Code for insulating materials.
- The structure of the painting causes an effect that absorbs sound waves, lowering the sounds, acoustic insulation.
- Contains glass microspheres

USES

Specifically designed for places with sudden temperature changes, lowering them and, therefore, improving the energy efficiency, with the subsequent economic savings and respect for the environment. Its high quality makes it ideal for decoration and protection of vertical and horizontal surfaces in buildings and decorative elements. Excellent non-carbonating barrier for concrete.

TECHNICAL DATA

Appearance	Matt.
Colour	White and colours from the Esencia and Coloritud charts.
Thinner	Water.
Viscosity (Brookfield RVT at 20ºC). Poises	200 - 250
Density at 20ºC (Kg/L)	1.05 ± 0.02
Content in solids % volume	60
Gardner washability (UNE 48284) (dp)	More than 10,000 cycles
Yield (m²/L):	3 - 4
Touch dry (20ºC) (min)	60
Second coat (hours)	3
Total drying (days)	15 - 20
% brush or roller dilution	0 - 15
Thermal conductivity () (UNE-EN ISO 6946) W/mK	0.0406
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content < 1,05 g/l

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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.
- To ensure anchorage over difficult substrates, such as: stoneware façades, aluminium-coated asphalt cloth, zinc roofs, polyurethane insulations and, in general, in wall coverings where porosity of the substrate is not sufficient to allow subsequent adhesion of the paint finish, prior application of two coats of aqueous brea acrylic emulsion paint, especially developed to ensure anchoring to difficult surfaces (see possible application systems).

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:

The paint should not be applied under conditions of excessive sunlight, strong winds, or if rain is forecast.

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SURFACE PREPARATION

UNPAINTED SURFACES:

Concrete:

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

Cement mortar:

- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE.
- Regulate high porosity by applying a coat of fixer (See possible application systems).

Fibre cement:

- Eliminate high alkalinity and 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)

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)
- 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.

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.
- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE.
- 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 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.

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POSSIBLE APPLICATION SYSTEMS

Use a brush or roller for normal application of Thermally insulating elastic. To obtain an adequate thermal insulation and waterproofing of the surface, it is recommended to apply at least 2 coats equivalent to a total dry thickness ranging from 300 to 400 microns. 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 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 ELÁSTICO TERMOAISLANTE:

- Yield: 3 - 4 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 5º and 35º C.

LEGAL TEXT NOTE

This information, particularly the recommendations regarding the application and end use of the product, is given in good faith, based on Pinturas Isaval´s current knowledge and experience with the products when correctly stored, handled, and applied under normal conditions within their shelf life and in accordance with Pinturas Isaval's recommendations. In practice, the potential differences in materials, substrates, and actual conditions at the application site are such that no warranty of merchantability or fitness for a particular purpose, nor any obligation, may be inferred from the information in this document or from any other written recommendation or advice given. The user must conduct their own tests to verify the product's suitability for the intended use. Pinturas Isaval reserves the right to modify the properties of its products. Third-party property rights must be respected. All orders are accepted under the terms of our current General Conditions of Sale and Supply. Users must consult and use the most recent and updated version of the local Product Data Sheets, which can be sent upon request or found on the website www.Isaval.es. The data provided are indicative and not legally binding, based on laboratory tests performed at 20°C and 1 atm pressure. On-site measurements may vary due to circumstances beyond our control, such as changes in environmental pressure and temperature. The reported ranges are based on historical measurements. The product must not be used for purposes other than those specified. If further clarification on product characteristics or usage is needed, users should contact PINTURAS ISAVAL S.L. staff.

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