



TECHNICAL DATA SHEET

1.1 PROTECTION AND FINISHING



► Thermal insulating elastic

Waterproofing acrylic 100%

1267 / Version 5 / 05-09-2023



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.

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

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| Appearance | Matt. |
| Colour | White and colours from the Esencia and Coloritud charts. |
| Thinner | Water. |
| Viscosity (Brookfield RVT at 20°C). Poises | 200 - 250 |
| Density at 20°C (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 (20°C) (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

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:

- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE.
- Regulate high porosity by applying a coat of fixer (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 Impermisal 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 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.