



TECHNICAL DATA SHEET

1.1 PROTECTION AND FINISHING



► Impermisal Natur

Waterproofing acrylic 100%
1624 / Version 13 / 05-03-2025



DESCRIPTION

Water-based patina for concrete. Suitable for surfaces of visible concrete aggregate and textured exterior concrete surfaces. It can also be used as a protective clear coat for exposed bricks.

PROPERTIES

- Water-repellent and rainwater-proof.
- Water vapour-permeable, allowing transpiration of the support.
- Resistant to the damaging effects of the outdoors.
- Due to the pearlescent effect it is self-cleaned with rainwater.
- 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.
- Good flexibility.
- Effective non-carbonating barrier due to its high resistance to CO₂ and SO₂ diffusion.

USES

Smooth coating ideal for decoration and protection of concrete. This patina is highly waterproof and acts against carbonation, providing protection for concrete against corrosion of the reinforcements and acidification. Suitable surfaces are: Normal and heavy concrete, putty used for repair and mineral plasters. Repair mortar synthetically modified and bound with concrete. First of all the adhesion of IMPERMISAL NATUR should be verified by preliminary tests on the repair mortars bound with concrete and synthetically modified. The average adhesion resistance of the surface should be > 1.0N/mm², with a minimum value of 0.5 N/mm².

TECHNICAL DATA

Appearance	Silky matt.
Colour	Transparent. Can be tinted, see Impermisal Natur chart.
Thinner	Water
Viscosity (Brookfield RVT at 20°C). Poises	90 - 120
Density at 20°C (Kg/L)	1.02 ± 0.05
Content in solids % volume	22
Liquid water permeability (UNE-EN 1062-3:2008) (Kg/m ² h0.5)	< 0.1, low
Water vapour permeability (EN 1504-2: 2004)	Class I
CO ₂ permeability (UNE-EN 1062-6:2003) (Sd (m))	> 50, satisfactory
Accelerated ageing (EN 1062-11)	Unchanged
Yield (m ² /L):	8 - 12
Touch dry (20°C) (min)	60
Second coat (hours)	3
Total drying (days)	15 - 20
% maximum dilution	0 - 5
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 0,100 g/l



1.1 PROTECTION AND FINISHING

► Impermisal Natur

Waterproofing acrylic 100%

1624 / Version 13 / 05-03-2025

HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted should be consistent, without any poorly adhered materials and be clean, dry, free of dust, grease, saltpetre, mould, fungus or algae.
- Nor may the surface contain corrosive substances, such as, for example, chlorides. To achieve an even and sufficiently thick coating, defective areas, pores, cracks and very rough or uneven areas should be repaired. However, before starting the repair, the surface should be prepared with suitable products. After applying the coating some stains may be visible from the repair; this will depend on the level of repair.

SURFACE AND AMBIENT CONDITIONS

AMBIENT CONDITIONS:

Avoid applying the product in direct sunlight, on surfaces warmed by the sun or if high winds, fog, rain or frost, etc. is forecast. If necessary, use protective tarpaulin.

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
- If the old concrete has a smooth finish, it will be necessary to crush or muzzle the surface to open the pore and create a micro-roughness that allows better anchorage.

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.

Fibre cement:

- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- Regulate high porosity by applying a coat of fixer (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)

Exposed brick:

- Grouting of facing brick, natural stone or plated pieces should be consistent and specially treated until a product saturation is achieved.

TECHNICAL DATA SHEET

1.1 PROTECTION AND FINISHING

► Impermisal Natur

Waterproofing acrylic 100%

1624 / Version 13 / 05-03-2025

POSSIBLE APPLICATION SYSTEMS

Use a brush, roller or spray gun for normal application of Impermisal Natur. When the product is applied with spraying systems without using air, the filter should be cleaned regularly to avoid it becoming clogged. The nozzle size is 0.013 – 0.015 inches (0.033 – 0.038 cm). To achieve effective protection of the surface a dry film thickness of 80 microns is necessary. Prior to the top coat and depending on the wall apply a suitable primer.

PRIMERS:

- 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
- 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 IMPERMISAL NATUR:

- Yield: 8 - 12 m²/l
- Coats: 3

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.