TECHNICAL DATA SHEET

1.4 NON-DRIP ROOF PRODUCTS

isaval pinturas

▶ Aislant PU Roof coating

Polyurethane waterproofing coating

2351 / Version 4 / 14-03-2022

DESCRIPTION

Elastic waterproof coating of polyurethane component in aqueous dispersion.

PROPERTIES

- Impermeable to rainwater.
- Resistant to the alkalinity of the surface, such as cement mortars, concrete, brick, etc.
- Elastic, does not split or crack with shrinkage and expansion of the surface as a result of temperature changes. Bridge cracks and fissures.
- Good adhesion to common construction materials.
- Resistant to the negative effects of weathering.
- Dry to walk on.
- Better film tenacity than with traditional waterproofing.
- GUARANTEE: Pinturas Isaval S.L guarantees this product for 7 years, under the condition that the minimum consumption, as specified in this data sheet, is respected. This guarantee could vary in case of not following the described application instructions. In any case, the guarantee will always be processed and approved by our technical staff after evaluating the corresponding request

USES

It is especially indicated for waterproofing and protecting surfaces such as terraces, façades, dividing walls and surfaces based on mortar where fine cracks appear, distributed in a certain orientation, which are almost static, i.e. they have very little contraction or dilation movement with climatic changes, due to an unbalanced composition of the mortar, its particle size, or abnormal drying conditions.

TECHNICAL DATA

Appearance	Glossy.
Colour	White, grey, red, tile, green.
Thinner	Water.
Viscosity (Brookfield RVT at 20ºC). Poises	300-500.
Density a 20ºC (Kg/L)	1.3± 0.05.
Content in solids % weight	53.
Yield (L/m2)	1-1.5, complete treatment.
Second coat (hours)	4.
Drying at 20ºC (min)	60.
Total drying (days)	20 to 30.
% brush or roller dilution	0-15.
% spray gun dilution	0-15.
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 4,20 g/l,

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.
- Check carefully that the surfaces where it is applied are completely dry and there are no filtrations.

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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.

SURFACE PREPARATION

UNPAINTED SURFACES:

New unpainted surfaces:

- Any surface to which this paint will be applied must first be cleaned thoroughly: scrubbing with a hard brush and a hydrochloric or 5% nitric acid solution in water, which guarantees perfect cleaning and opens the pores. Then wash and wait for the surface to dry.
- When the surface is clean and dry, a first coat is applied with a mixture of 60% waterproofing and 40% water, a fibreglass mesh is spread and fixed on that first coat. This provides perfect anchorage to the surface.
- Then apply two coats, the first diluted in 15% water and the second with 5-10% water. This will result in a layer between 1-2 mm, which would be sufficient to achieve good waterproofing.
- This process should be followed on 20 or 30 cm of the surrounding wall, which will prevent leaks in the joints between terraces and walls due to the structural movements of the building.
- On ceramic or zinc roof primer with two coats of brea acrylic emulsion - diluted to 15% and finish with two coats of waterproofing to 15% and 5-10%.

PRE-PAINTED SURFACES IN GOOD CONDITION:

Pre-painted surface in good condition:

- If the paint is to be applied to previously painted surfaces, it is important to ensure that the existing paint is in good condition. If this is not the case, it must be totally eliminated and primed with the same product dissolved 40% in water.

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

Use a brush, roller or spray gun for normal application of Aislant PU non-drip. 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:

- Isafort Asphalt elastic emulsion: adhesive bond for difficult-adhesion surfaces.Yield: 4 - 6 m2/L. Coats: 1

FINISH AISLANT PU ANTIGOTERAS:

- Yield: 1-1.5 L/m2
- 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 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.