

IMPERLATEX PU INCOLORO

Transparent water-proofing based on aliphatic polyurethane.



- ✓ **Excellent durability.**
- ✓ **High cracking resistance.**
- ✓ **Completely transparent and colourless.**
- ✓ **Optimum outdoor resistance.**
- ✓ **Monocomponent.**

Description

Imperlatex PU Incoloro is a low viscosity waterproofing nanocomponent, transparent and solvent based, based on 100% aliphatic polyurethane resin of high gloss and durability, designed to waterproof all types of vertical or horizontal surfaces, both indoors and outdoors.

Once applied, it generates a totally continuous water-resistant membrane with excellent adhesion and optimal elasticity. In addition, it has the following characteristics:

- Absolute waterproofing, resisting even permanent contact, being suitable for waterproofing planters or ornamental fountains.
- Hydrolysis and solar radiation resistance, strongly recommended for outdoor use.
- Resistant to microorganisms and bacteria attack, not degraded by the action of the latter in shady areas.
- Permeable to water vapour, allows the surface to breathe, its use does not cause condensation problems.
- Total resistance to detergents, household cleaners and acid rain.
- Optimal adhesion on all types of absorbent surfaces.
- Controlled elasticity, allowing transit without risk of breakage or cracking.
- Excellent abrasion resistance.
- High filling capacity of cracks, joints and pores. Its low viscosity formulation allows the product to penetrate the cracks, joints and pores filling them completely.

Application Areas

Especially recommended for carrying out all types of waterproofing work where a completely transparent product is desired. These qualities make it suitable for use on decks, terraces, rooftops, walls, planters, etc.

Physical-Chemical Characteristics

APPEARANCE	DENSITY	YIELD	COMPOSITION
Colourless clear liquid of moderate viscosity	1.0 ± 0.01 g/cm ³	1 kg/m ² for 0.8 mm thickness.	Polyurethane aliphatic monocomponent cross-linkable by moisture, solvents, rheological agents.

DRYING	REPAINTING	MEMBRANE HARDNESS	MEMBRANE ELASTICITY	% NOT VOLATILE
12-18 hours	6-8 hours	> 95 Shore (A)	> 30%	> 40%

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Mode of Application

Being a ready to use product, it does not need to be diluted before applying. The use of solvents can dramatically reduce membrane adhesion and durability.

The surface must be completely clean, dry, hardened and free from other membranes or contaminants that can reduce the service life of the membrane, such as dust, moss or salt efflorescence. It is also recommended that the surface does not contain cracks or holes greater than 1 mm. In low/no absorption surfaces it is recommended to perform an adhesion-promoting treatment using Microprimer.

The following procedure is recommended:

a). Absorbent surfaces, (burnt clay, rustic tile, Catalan tile... etc.):

- 1- Thoroughly clean the surface. Select the type of cleaner according to the existing dirt: (Limfa for efflorescence, moss and verdigris, Neogras Forte for oil stains or pollution).
- 2- Allow the surface to dry completely and fill/repair damage such as joints, cracks or holes.
- 3- Apply a first layer dissolved in Disol (3 parts Imperlatex PU Incoloro: 1 part Disol), using a short hair roller, brush or airless sprayer.
- 4- Allow to dry for 6-8 hours and apply a second coat to obtain the desired yield and thickness.
- 5- Allow the product to dry until it is completely cross-linked. (The drying process is dependent on ambient humidity and temperature. It is recommended to protect the application from the weather and condensation during the first 24-36 hours). The membrane acquires its maximum resistance 7 days after application. During this time it is recommended not to wet it or walk on the same.

b). Non-absorbent surface, (glazed ceramics, porcelain tiles, polished stone... etc.)

- 1- Thoroughly clean the surface. Select the type of cleaner according to the existing dirt: (Limfa for efflorescence, moss and verdigris, Neogras Forte for oil stains or pollution).
- 2- Allow the surface to dry completely and fill/repair damage such as joints, cracks or holes.
- 3- Prime the surface with Microprimer at about 40-50 m²/L and allow to dry for a maximum of 15-30 minutes.
- 4- Apply two coats, using a short hair roller, brush or airless sprayer, allowing 6-8 hours drying time between coats.
- 5- Allow the product to dry until it is completely cross-linked. (The drying process is dependent on ambient humidity and temperature. It is recommended to protect the application from the weather and condensation during the first 24-36 hours). The membrane acquires its maximum resistance 7 days after application. During this time it is recommended not to wet it or walk on the same.

Format

Metal containers of 1, 5, 10 and 25 kg.

Recommendations

Imperlatex PU Incoloro contains solvents, so it must be kept away from any source of flame, heat or sparks when stored in its containers. It is not suitable for waterproofing fountains or pools, since it is not resistant to products used in chlorination. On surfaces with standing water it is recommended to obtain a minimum thickness of 0.8 mm.

Do not apply the product to surfaces with a residual humidity greater than 4%.

On surfaces with zero absorption, Anti-Slip can be used to increase the roughness and improve the adhesion of Imperlatex PU Incoloro. It is not designed for waterproofing structures or surfaces with negative water pressure (back pressure).

To prolong the service life of the membrane, it is recommended to carry out a moderate transit on the same.