

## Protech Balcony

Transparent, non-pellicular waterproofing for terraces and balconies



Solution based on special silane and siloxane resins in solvent, highly penetrating, transparent (colourless), for quickly, effectively and economically waterproofing balconies, tiled terraces, concrete roofings, external stairs, etc., without removing or intervening on the existing flooring. It does not change the appearance of the support on which it is applied and it does not alter the original slipperiness or its water vapour breathability. It is quick to apply and does not require skilled labour or professional equipment. The flooring treated will be usable after only 2 hours of laying.

**CUSTOMS CODE:** 3824 9970

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** Transparent

**PACKAGING AND DIMENSIONS:** Plastic can 5 l - Bottle 1 l - Plastic can 2 l - Plastic can 25 l - Box: 12 x (Bottle 1 l) - Box: 8 x (Plastic can 2 l)

### FEATURES AND BENEFITS

Protech Balcony is a product that is easy and quick to apply: simply spread it out with a scrubbing brush on clean and dry surfaces to solve the problem of infiltration. The active ingredient, effectively conveyed in a solvent, it penetrates fillings, substrate cracks and porosity rapidly and in-depth. Upon contact with air, it performs a polymerisation reaction that seals and waterproofs, perfectly and in depth, all discontinuities where it has managed to penetrate. After the reaction, the specific polymerised siloxane molecule is stable over time and does not labilise. Thus, the effective life of the product being applied on surfaces which are not subject to dynamic movements and seismic activity, is normally in excess of 10 years. If necessary, if new discontinuities, cracklings, cracks, fissures etc. appear after the first application of Protech Balcony, these may conveniently be resolved with a second application of the product. Given its intrinsically non-pellicular nature, the product will not be subject to fissures, tears, cracks, separations, deterioration and will not yellow over time, under the effects of UV rays (as occurs naturally for epoxy and/or polyurethane treatments). The surfacings treated with Protech Balcony will be resistant to mildew, moss, lichens and other biodeteriogenic bodies. Please note that the effectiveness in terms of water repellence, and watertightness of Protech Balcony has been certified with suitable tests conducted at the laboratories of the department of structural engineering of POLITECNICO DI MILANO (the Polytechnic of Milan).

### FIELDS OF APPLICATION

Quick waterproofing, of balconies, terraces, stairs, decks, tiled surfaces, concrete structures, and natural stones, without demolishing the existing flooring. Also for use on vertical surfaces particularly exposed to the inclemency of the weather and atmospheric agents (tiled, plastered, exposed brickwork, etc.).

### ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Plaster (gypsum) - Fiber-cement - Bricks - Tuff - Mixed walls (bricks and stones) - Stone walls - Tiles



## PREPARATION OF SUPPORTS

The application surfaces should be clean, free of incrustations, crumbling and non-adhering parts, dust etc. The vanishing points between tiles, if present, should be appropriately treated with suitable acid or alkali cleaners. In this respect it is recommended that the specific acid detergent Deterg-A, diluted with water at a ratio of 1:4. Rinse the treated surfaces with running water. Labile and non-adhering vanishing points, possibly removed, are required to be restored with high adhesion and deformability cement surfacers. In this respect it is advisable to use of the specific two-component waterproof and deformable filler Stucco Balcony. Wait for the necessary time (1-2 days) for drying the filling before applying Protech Balcony. Any expansion joints present, including those relating to the junction line of the tiled flooring and the perimeter kerb (typically made of granite or natural stone), will have to be sealed with high elasticity polymeric materials. In this respect, it is advisable to seal them with Protech Flex, assisted by laying Filtene Fondogiunto and the appropriate polyurethane primer Protech Flex Primer.

## MODE OF USE

Pour small amounts of product at a time and spread it evenly over the entire surface with a scrubbing brush or a "water squeegee", until complete impregnation of the support to be waterproofed. Set Protech Balcony with all due care in less accessible and more uncomfortable areas, by using a brush with long bristles or a sponge (edges, skirting boards, corners, sills, wells, chimney flues, discharges, etc.). Allow the product to penetrate for at least 60 minutes. Within maximum 120 minutes of application, remove the excess product on all surfaces treated with a cloth soaked in the diluent Nitro. The product consumption is on average about 0,125 l/m<sup>2</sup> of surface to be waterproofed; varying according to the absorption of the support and the size of any vanishing points. Normally it is considered that with 1 litre of Protech Balcony you can treat from 7 to 15 m<sup>2</sup> of surfaces.

## APPLICATION METHODS

Scrubbing brush - Sponge float - Suffuse - Brush - Sponge

## TOOL CLEANING

Nitro thinner

## KEY FEATURES

- |  |   |
|--|---|
|  Density: 0.85 kg/l            |  Flammable material              |
|  Highlighted product           |  Shelf-life: 12 months           |
|  Solvent-based product         |  Temperature of use: +5 / +30 °C |
|  Use wearing protective gloves |  UV-resistant                    |

## TECHNICAL SPECIFICATIONS

-30  
Working temperature **+80 °C**

**pH 7.5**

## CONSUMPTION

Approximately 0.15 litres of Protech Balcony for each square metre of surface to be treated, based on the porosity of the support.



## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity. Store the product at a temperature between +5°C and +35°C.

## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Apply Protech Balcony only on dry surfaces. Avoid starting waterproofing operations in anticipation of imminent rainfall.

It is recommended that you do not postpone the final phase of surface cleaning of excess product with Nitro thinner. Any excess of product on the surface not removed, in contact with the air, may cause the formation of unwanted whitish residues, difficult to remove, that may be in any case removed using a further washing with acid detergent.

Before any cleaning operation with acid detergent, it is still essential to carry out preliminary tests on a small portion of the flooring (better if not exposed), to avoid unpleasant chromatic alterations of the flooring itself.

In the case of application of Protech Balcony on surfaces which are particularly porous and absorbent (terracotta, natural stone, tufa, etc.), it is advisable to first spread the product on a small portion of the flooring. Indeed, very absorbent supports could become slightly darker due to the penetration of the product. The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage. Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

