

## Protech Balcony WV

Transparent water based non-film waterproofing for terraces and balconies



A solution based on special silane and siloxane resins in aqueous dispersion, being highly penetrating and transparent (colourless) for quickly, effectively and economically waterproof balconies, tiled terraces, concrete roofing, external stairs, and so on, without removing or impacting upon the existing flooring. It does not change the appearance of the substrate on which it is applied nor alter its original degree of lubricity or breathability to water vapour. Application is swift, without requiring specialised labour or professional equipment. The treated flooring will be usable only 2 hours after application.

**CUSTOMS CODE:** 3824 9970

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** Transparent

**PACKAGING AND DIMENSIONS:** Bottle 1 kg - Plastic can 2 kg - Plastic can 5 kg - Plastic can 25 kg

### FEATURES AND BENEFITS

Applying Protech Balcony WV is quick and easy - simply use a brush on clean and dry surfaces to resolve any seepage problems. The active substance penetrates quickly and deeply into the grouting, any cracks and porous points of the substrate. Upon contact with air, it causes a polymerisation reaction that perfectly and deeply seals and waterproofs every imperfection it encounters. The specific reactive polymerised siloxane molecule is stable over time and does not labilise. In accordance with the data sheet, the effectiveness of the product applied is normally more than 10 years on surfaces not subject to dynamic movements or structural and/or seismic damage. Should any new gaps or cracks appear after the first application of Protech Balcony WV, they can be easily resolved with a second application of the product. Given its intrinsically non-film nature, the product does not suffer damage, tear, crack, detach, deteriorate nor will it yellow over time due to the effects of UV rays (as naturally happens with epoxy and/or polyurethane treatments). The grouting treated with Protech Balcony WV is protected from mould, moss, lichen and other biodeterioration organisms.

### FIELDS OF APPLICATION

Rapid waterproofing of balconies, terraces, stairs, tiled surfaces, concrete and natural stone products, without having to demolish the existing flooring. It can also be used on vertical surfaces particularly exposed to weather and atmospheric conditions (tiles, plaster, exposed brick, etc.).

### ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Tuff - Mixed walls (bricks and stones) - Stone walls - Tiles - Porphyry and natural stones - Bricks



## PREPARATION OF SUPPORTS

The surfaces on which it is applied must be clean, free of stains, loose and crumbly parts, dust, and so on. If there are any joints between the tiles, they must be properly treated with a suitable acidic or alkaline detergent. To this end, we recommend the specific acid detergent Deterg-A, diluted with water at a ratio of 1:4. Rinse off the treated surfaces with running water. Any fragile and crumbly joints that have been removed, must be restored with cementitious putty offering high adhesion and deformability. To this end, we recommend using the specific waterproof and deformable two-component putty Stucco Balcony. Allow for the necessary time to pass (1-2 days) to allow the grouting to dry before applying Protech Balcony WV. The expansion joints that may be present, including those relative to the line connecting the tiled paving and the outer edge beam (normally made of granite or natural stone), will normally have to be sealed with high-elasticity polymeric materials. To this end, we recommend sealing with Protech Flex, supported by the installation of Filtene Fondogiunto and the particular polyurethane Protech Flex Primer.

## MODE OF USE

Pour small amounts of the product at a time then spread evenly across the entire surface with a rubberised brush or rubber blade until the substrate is completely impregnated with the waterproofing. Using a long bristle brush or sponge, apply Protech Balcony WV with particular care in the less accessible and most challenging areas (edges, skirting boards, corners, thresholds, hatches, fireplaces, drains, etc.). Allow the product to penetrate for at least 60 minutes. Remove excess product from all treated surfaces using a cloth wet with water. The average product consumption is around 0.15 kilograms/square metre of surface to be waterproofed, varying depending on the absorption of the substrate and the size of any joints. Normally, 1 kilogram of Protech Balcony WV is enough to treat surfaces from 5 to 10 square metres.

## APPLICATION METHODS

Suffuse - Low pressure airless nebulizer - Brush


## TOOL CLEANING

Water


## KEY FEATURES

 Nonflammable

 Solvent-free

 Use wearing protective gloves

 Shelf-life: 12 months

 Use wearing protective glasses

## TECHNICAL SPECIFICATIONS

Flash-point > 95 °C

Odorless

pH 6.5

The product doesn't create film

## CONSUMPTION

Approximately 0.15 kilograms of Protech Balcony WV per square metre of surface to be treated - consumption may vary depending on the porosity of the substrate.



## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Opened containers must be used immediately. Store the product at a temperature between +5°C and +35°C.

## PHOTO GALLERY



## ADDITIONAL CONTENT



Produced and distributed by **AZICHEM srl**  
Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
Tel: +39 0376.604185 / 604365  
Fax: +39 0376 604398  
[www.azichem.com](http://www.azichem.com) - [info@azichem.com](mailto:info@azichem.com)

Update of **11-03-2021**  
Terms of sale and legal notices available at  
<https://www.azichem.com/general-sales-conditions>  
**Total pages of this document: 4**

## WARNINGS AND PRECAUTIONS

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.

