

TYTAN PROFESSIONAL WINS Balcony Doors Hydroinsulation 4 kg



One-component waterproofing compound based on hybrid polymers and bitumen dedicated to sealing the lower zone of windows and exterior doors at foundations, balconies and terraces, on the outside of the building. It has very good adhesion to building materials such as PVC, aluminum, wood, tar paper, polystyrene foam, XPS, concrete, purenit, polyurethane foam; and high resistance to changing weather conditions, UV and standing water.



BENEFITS

- has very good adhesion to building materials such as aluminum, wood, tar paper, polystyrene foam, XPS, concrete, purenit, polyurethane foam, coated sheet metal, galvanized sheet metal
- high resistance to changing weather conditions, UV and standing water
- the product does not require the use of non-woven reinforcing fabric

RECOMMENDED USES

- dedicated to: sealing the installation of the lower zone of the joinery at the foundations, balconies terraces on the outside of the building
- performing roof flashings on felt, sealing roof details, interior gutters, gutters, skylight walls
- joining of different surfaces to obtain continuity of waterproofing including coated sheet metal, galvanized sheet metal, bituminous membrane, ceramics, concrete, also on facades

TECHNICAL DATA

Cured - tested after 2 weeks at 23°C and 50% relative humidity	Value
Modulus at 100% elongation [T=+23°C, RH=50%] after conditioning under water for 7 days (ISO 37) [MPa]	0,2 - 0,4
Module at 100% elongation (ISO 37) [MPa]	0,7 - 1,1
Elongation at break (ISO 37) [%]	330 - 420
Full curing time (in normal conditions) [mm/24h]	1,4 - 1,8
Adhesion to surface	Value
Adhesion to galvanized sheet metal (ASTM D903) [N/m]	900

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Adhesion to aluminium (ASTM D903) [N/m]	500
Adhesion to bitumen sheet (ASTM D903) [N/m]	1700
Adhesion to coated sheet (ASTM D903) [N/m]	1100
Adhesion to concrete (ASTM D903) [N/m]	1100
Uncured - tested at 23°C and 50% relative humidity	Value
Density [g/cm ³]	1,28 - 1,33
Consumption [kg/m ²]	2,6 - 3,9
Colour	Value
Brown	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Level and thoroughly clean the surfaces to be sealed (remove dust, rust, grease, oil, paint, varnish, etc.).
- Activate any hard PVC surfaces such as pipes with acetone before applying the product.
- After cleaning, degrease, you can use acetone (make a test of the resistance of the substrate to the solvent) ethanol, isopropanol or extraction gasoline.

Product preparation

- A trowel or trowel made of metal or plastic is needed for application, and a special silicone applicator can also be used.
- Open the bucket and remove the protective film.

Application

- Put on protective gloves.
- Spread the mixture over the surface to be sealed with a spatula, trowel or float.
- If the frame of the woodwork protrudes beyond the face of the foundation or substrate on which the window/balcony door is set, apply the compound under the window frame with a small spatula or a special silicone applicator.
- Perform the sealing by spreading the compound over the entire sealed surface.
- In the corners of the walls, wall and ceiling or wall and floor made of different materials, make a facet with the width of the sides A and B 2-3 cm.

Remarks / restriction

- The work is to be carried out in accordance with the technical documentation prepared for the specific

object, in accordance with the requirements of the regulations, taking into account the expert's recommendations and the technical properties of the product.

- The compound must be applied continuously to the surfaces to be sealed and their joints of airtight materials.
- Due to the variety of materials used, it is necessary to perform an adhesion test beforehand before proceeding.
- The product does not require a non-woven reinforcing fabric.
- When applying the product to surfaces that are subject to intense sun exposure, shade should be provided to lower the surface temperature. For this purpose, it is recommended to locally apply a cover net or other method that will ensure that the surface temperature is lowered before, during and after the product application.
- Before applying the product, the surface of the woodwork should be protected with a suitable masking tape.
- The amount of material used will depend on the type and quality of the substrate, and the thickness of the applied layer can vary between 2-3 mm.
- After curing, the compound can only be removed mechanically.
- Cleaning of tools: before curing - with dry paper towel or extraction gasoline or bitumen cleaner, after curing only mechanically.
- If body parts are dirty, wash with Titan bitumen cleaner or extraction gasoline.
- Use acetone, ethanol, isopropanol or extraction gasoline for degreasing.
- NOTE: acetone can damage sensitive surfaces.

ADDITIONAL INFORMATION

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

TRANSPORT / STORAGE

Expiry date and batch number on packaging.

Store in original sealed packaging, in dry, well ventilated rooms, at +5°C to +25°C.

Storage at temperatures above +30°C may shorten the product's shelf life.

Protect from frost and direct sunlight.

After use, apply a protective film and close tightly.

Use opened container as soon as possible.

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request.

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.