

## DESCRIPTION OF THE PRODUCT

Transparent protective product with low viscosity specifically made to waterproof balconies and terraces subjected to infiltrations. Its exclusive formulation, applied in single coating thickness, guarantees the substratum waterproofness without changing the appearance of tiles. The product has proven resistant to frost-defrost cycles, to thermal shocks; it has excellent durability and mechanical resistance.

## USE FIELD

Transparent protective product for the superficial treatment of tiled balconies and terraces subjected to infiltration problems. The product, with 900 g/m<sup>2</sup>, allows sustaining a medium pedestrian traffic and resistance to puncture typical of situations related with the presence of heels, chairs, tables etc.

When applied over WINGUM PLUS H<sub>2</sub>O (with a consumption of 400g/m<sup>2</sup>), WINDECK offers a cycle with higher mechanical resistance. In this case, apply WINGUM PLUS H<sub>2</sub>O on rigid substrates such as concrete or tiled surfaces, and place between the coats WINTECHNO MAT.

## SURFACE PREPARATION

Thoroughly clean the support in order to remove: dust, friable parts, alien or anti-adherent substances and materials that could create discontinuities or aesthetic imperfections. Make sure that the surface is dry to avoid the formation white spots, bubbles and detachment problems. The best way to find out if there is any hidden humidity contained in the support is applying a polyethylene sheet on the surface and seal it with painter's tape. Leave this exposed to the sun and check for water condensation after 24 hours. If there is no condensation water, apply **WINDECK**, otherwise, wait for full drying.

## WARNING

Do not add additives or charges. Do not use should the container be damaged. Do not add water and/or solvents. Apply WINDECK with temperature between +5°C e + 35°C. Working tools must be clean and dry. Close the buckets immediately after use.

Protect during the first 48 hours from the application from water, rain and snow. Protect it from any substance that may lay down on the surface before drying, creating aesthetic imperfections. Do not apply in the event of high humidity.

Product viscosity may change depending on high or low storage temperatures. To get ideal workability, we recommend storing WINDECK, at temperatures close to +20°C at least 24 hours before use.

## APPLICATION

The product is ready to use, doesn't require the use of a primer and can be applied on a dry support with toothed metallic spatula following by a passage with a spiked roller to eliminate possible trapped air bubbles. Apply the product is one coat to obtain a homogeneous thickness. The substratum treated with WINDECK is passable after 72 hours from the application with an average temperature of +20°C.

With temperature below +20°C refer to the below chart.

+20°C	3 days
+15°C	4 days
+10°C	5 days
+5°C	7 days

For overlapping time of WINDECK on WINGUM PLUS H<sub>2</sub>O CYCLE, refer to the below chart

**OVERLAPPING TIME ON WINGUM PLUS H<sub>2</sub>O CYCLE**

+20°C	3 days
+15°C	4 days
+10°C	5 days
+5°C	7 days

**CONSUMPTION**

About 0.9 kg/m<sup>2</sup> in one coat.

0.4 kg/m<sup>2</sup> applied over WINGUM PLUS H<sub>2</sub>O, in one coat.

**PACKAGING**

5-20 kg buckets

**STORAGE**

The product in its undamaged packaging and stored in a dry and protected place has a 12 months stability. No frost-proof. Store at temperatures between +5°C e +35°C.

**SAFETY INSTRUCTIONS**

**PRECAUTIONS**

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

**ECOLOGY**

Do not dispose the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

**TECHNICAL FEATURES**

Appearance	Liquid transparent
Colour	Colourless
Specific weight at 20°C (g/cm <sup>3</sup> )	1.08 ± 0.05
Solid content (%)	92 ± 3
Brookfield viscosity at 20°C (Cps)	1700 ± 200

### **PERFORMANCE OF THE PRODUCT IN OPERATION**

Operating temperature	-30°C +80°C
Weathering resistance	Excellent
Resistance to U.V. rays	Excellent (does not turn yellow)

### **Tensile strength and elongation at break (ASTM D 2370)**

Resistance at elongation (N/mm <sup>2</sup> )	Elongation (%)
6.65	>160

### **Water absorption (ASTM D 471)**

Number of days in water	Absorption (% on the weight)
1	0.5
7	0.9

### **Low temperature flexibility (ASTM D 522)**

Temperature (°C)	Breaking (Yes/No)
-26	No

### **Puncture resistance (EN 12730-A/EN 12691-A)**

Static/Dynamic applied over Wingum Plus H <sub>2</sub> O	25 kg/800 mm(500 g of weight)
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### **Adhesion to support after cycles of thermal shock (25 cycles)**

#### **Dynamometer normed UNI EN 1348-2000**

Support	Prior to sun-rain cycles	After thermal shock cycles	Required
Tile	>2 N/mm <sup>2</sup>	>2 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>

### **Waterproofness (UNI EN 1928:2002)**

2 bar
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### **Hardness (DIN 53505-A-87)**

Shore A	82
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### Volatile Organic Compounds Emission

Parameter	Max. allowed concentration ( $\mu\text{m}^3$ )
TVOC after 3 days	$\leq 750$
TVOC after 28 days	$\leq 60$

Test performed by the EUROFINS institute according to EN 16516, ISO 16000-3-6-9-11 and ASTM D5116-10, Test report n. 392-2018-00451601\_G\_EN\_02

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.