DESCRIPTION OF THE PRODUCT

One-component liquid pigmented waterproofing, formulated so as to give peculiar characteristics of impermeability, and long-lasting protection for treated substrates. Specially designed to be applied in extreme conditions: low and high temperatures (from 0°C to +45°C), damp, very damp or wet substrates. The product remains stable to thermal shocks.

USE FIELD

Cement-based screeds not completely seasoned (ex: 7 days at +15°C), concrete substrates, tiled balconies with permanent problems of excess humidity, tiles, metal surfaces in general, wood, brick, fiber-cement, bituminous membranes, oxidized, both smooth and slated. The product, when fully cured, is resistant to wear by even intense pedestrian passage and, thanks to its mechanical resistance, on rigid substrates (concrete and tiles) makes it possible to place chairs and tables. Once applied, after a few hours it is completely out of the rain (refer to the table below).

Once applied, eve after a short period of time, the product is rain-proofed, according to the time table provided.

Rain-Proof Time Table

Temperature of application	**Rain-proofed in:**
20°C	2 h
15°C	2 h 30 minutes
10°C	3 h
5°C	4 h
0°C	5 h

SURFACE PREPARATION

Thoroughly clean the substrate to be treated to remove: dust, crumbly parts, foreign or non-stick substances. Before applying **ONE**, restore any missing volumes (from 2 to 20 mm), with **PRE-ONE**, a quick-setting premixed product, also applicable at low temperatures (0 ° C) and in case of humidity. After applying **PRE-ONE**, wait at least 12 hours, at +20°C (for other temperatures see the technical data sheet of the product), before over-applying **ONE**. For levelling floors with irregularities from 1 to 20 mm, use **WINLIVEL RAPID**, quick-drying self-leveling. For making a new screed, use **WINPLAN 370**, a quick-drying screed or **WINPLAN PRO**, a quick-drying screed with low water absorption.

TILED SURFACES:

To regularize the volumes of the joints (up to1mm depth) and improve the finish, fill in a single coat with **ONE VERTICAL** (300 g/m²) using a smooth trowel. Wait at least 8 hours at +20°C (for other temperatures see the technical data sheet of the product), before applying **ONE**.

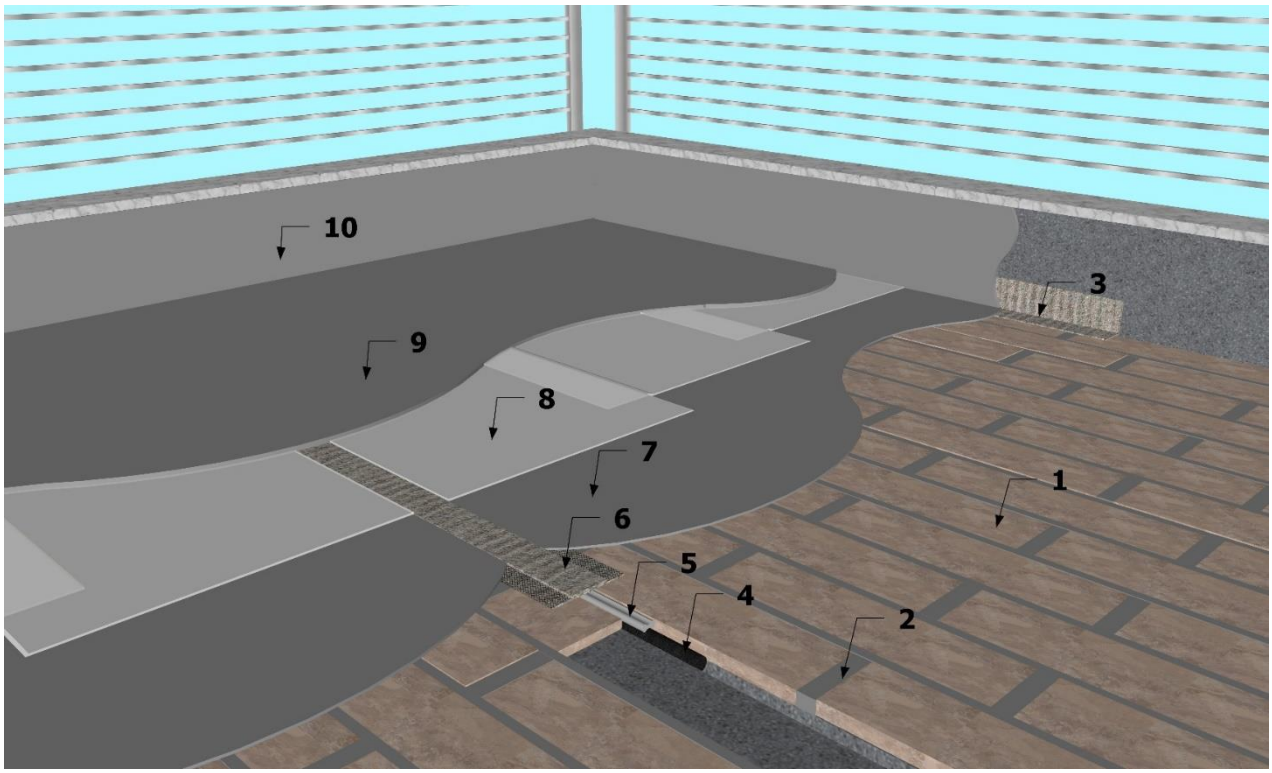
APPLICATION
Prepare the substrate to be treated as described in the paragraph "surface preparation".
Before applying, quickly mix the product (manually or with a low-speed drill), until getting a homogeneous mixture. The product is ready to use and does not require a primer. Apply **ONE** with a short-haired roller, flat brush, metal spatula and airless pump **(LARIUS series ZEUS, DRAGON or THOR)**. **For further specifications, contact WINKLER technical office.**

After thoroughly cleaning the surface to be treated, apply **ONE** with a consumption of 700-900g/m² depending on the irregularity of the substrate. During application we would recommend crossing the layers to evenly distribute the product.
Immediately lay **ONE MAT** (90g/m² non-woven reinforcement), by using a spiked roller, avoiding using too much pressure.
In a short time, the reinforcement will be incorporated by the product without further steps.
Wait for the time required for the application of the 2nd coat (see temperature table) and complete the application with the remaining amount of product, up to the consumption rate indicated in this technical data sheet.
As with the first coat, we recommend crossing the layers while applying even the second coat.

In case of application over modified bituminous membranes, a period of at least 180 days oxidation is needed.

Curing Temperature Time Table:

Application temperature	Application of 2nd coat	Walkability (after 2nd coat)	Tables and chairs placement (after 2nd coat)
20°C	After 12 h	24 h	36 h
15°C	After 12 h	24 h	36 h
10°C	After 18 h	24 h	48 h
5°C	After 24 h	36 h	60 h
0°C	After 24 h	48 h	72 h



KEYS:

1. Old floor;
2. Grout lines filled and covered with **ONE VERTICAL**;
3. **BC SEAL BAND,** Self-adhesive band;
4. **WINJOINT FOAM**, compressible cord;
5. **WINJOINT SEAL**, polyurethane sealant;
6. **WINJOINT BAND** joint cover band;
7. First coat of ONE
8. **ONE MAT**, Non-woven 90g/m² reinforcement;
9. Second coat of **ONE**
10. **ONE VERTICAL** on vertical sides.

APPLICATION WITH ACCESSORIES

For the correct realization of a waterproof system, apply the self-adhesive band BC SEAL PAD in the perimeter edges of the surface to be treated. For pipes, aerators, etc. use BC SEAL PAD, butyl adhesive square. In case the curing substrate is wet, apply a first coat of **ONE** and, once dried, apply **BC SEAL BAND** and **BC SEAL PAD**.

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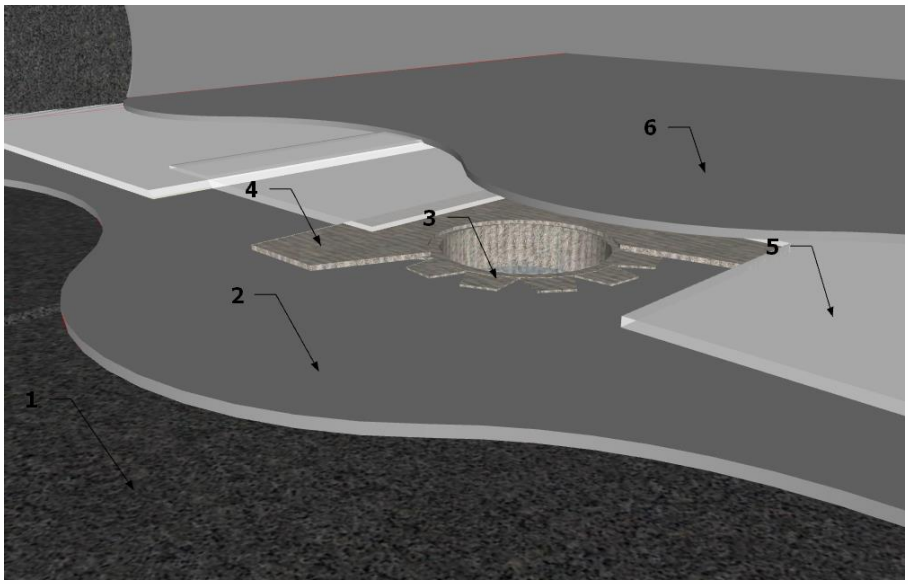


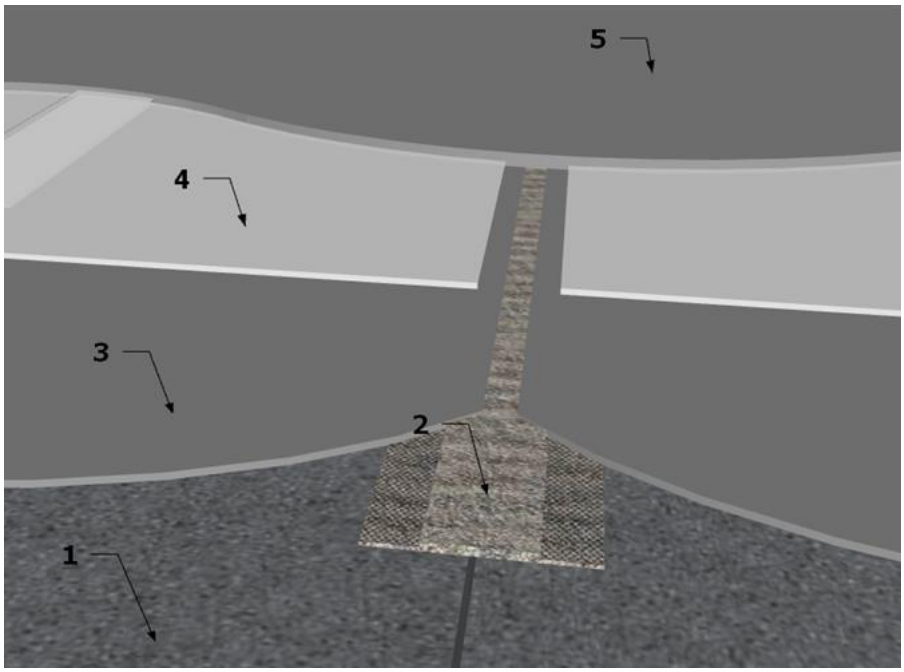
KEYS:
1. Bituminous membrane
2. **BC SEAL BAND**
3. **BC SEAL PAD**
4. First coat of **ONE**
5. **ONE MAT**
6. Second coat of **ONE**

SURFACES WITH JOINTS

Seal joints up to 1cm wide, using **WINJOINT BAND** (waterproof elastic band, made of rubber and polyester fabric, suitable for waterproofing joints), as described below:

- After making new joints or restoring the existing ones, apply **ONE** laterally to the joint and for a width that is larger than the joint cover.
- Lay the joint cover (in the direction of unrolling, so that the fabric remains visible) placing the perforated side strip on the area already treated with **ONE**, that must be wet yet.
- Once dried, soak it with a last coat of **ONE**.

Sealing of joints up to 1cm wide



KEYS:
1. Structural substrate/screed
2. **WINJOINT BAND**
3. First coat of **ONE**
4. **ONE MAT**
5. Second coat of **ONE**

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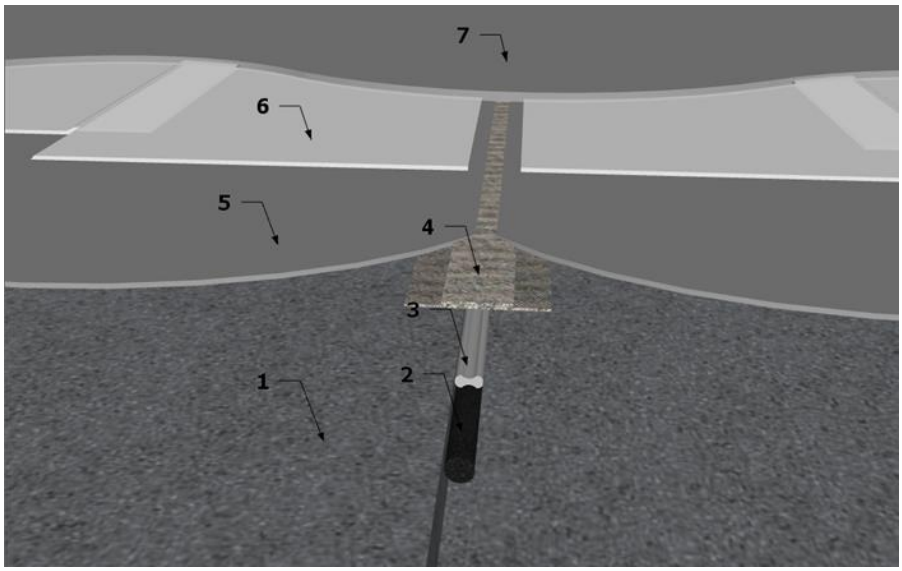
TECHNICAL SHEET

Seal joints more than 1cm in wide, using the system composed by **WINJOINT FOAM** (compressible polyethylene foam backer rod), **WINJOINT SEAL** (polyurethane sealant) and **WINJOINT BAND** as described below:

- After making new joints or restoring the existing ones, enter **WINJOINT FOAM** inside the joint to the desired depth and then extrude **WINJOINT SEAL** through the entire length of the joint. Once the sealant has dried, lay **WINJOINT BAND** as previously described.

Sealing of joints more than 1cm wide



KEYS:
1.Structural substrate/screed
2. **WINJOINT FOAM**
3. **WINJOINT SEAL**
4. **WINJOINT BAND**
5. First coat of **ONE**
6. **ONE MAT**
7. Second coat of **ONE**

WARNING
Do not use the product if its package is damaged.
The product is ready to use so, DO NOT dilute it with water nor solvents.
Use only clean and dry tools. Close the packages immediately after use. High or low storage temperatures may vary the viscosity of the product. To have optimal workability, we recommend storing ONE, at least 24 hours before use, at temperatures close to +20°C.

TOOL MAINTENANCE
Clean tools with denatured ethyl alcohol if the product is still wet. Mechanically remove the product if already dry.

SURFACE CLEANING
If, with aging and use, a cleaning of the surface of **ONE** is needed, use a solution of water and denatured alcohol in a 1: 1 ratio.

CONSUMPTION
1.7-1.9 kg/m² in two coats, with ONE MAT in between.

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PACKAGING
1 kg pails
5 - 20 Kg buckets

COLOR
White-gray-red- terracotta

STORAGE
The product in its intact packaging and stored in a dry and protected place has a stability of 12 months. Store at temperatures between + 5 ° C and + 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 OF WET PRODUCT

FEATURES	STANDARD	RESULTS
Appearance	-	Fluid paste
Colour	-	White, grey, red, terracotta
Density at 20°C	EN ISO 2811-1	1.40 ± 0.05 g/cm³
Dry content	EN ISO 3251	98 ±1%
Brookfield viscosity at 20°C	UNI EN 8490	5,500 ± 200 Cps

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PERFORMANCE OF THE PRODUCT IN OPERATION

FEATURES	STANDARD	RESULTS
Operating temperature	-	-30°C + 80°C
Weathering resistance	-	Excellent
Resistance to U.V. rays	-	Excellent
Low temperature flexibility (-26°C)	ASTM D 522	No break
Tensile strength	ASTM D 2370	1,100 PSI – 7.5 N/mm^2
Elongation at break	ASTM D 2370	82%
Resistance to negative pressure	UNI EN 8298-8	4 bar
Resistance to positive pressure	UNI EN 1928	6 bar
Water absorption after 24 h	ASTM D 471	<0.1 %
Water absorption after 7 days	ASTM D 471	<0.5 %
Water vapor permeability class	UNI EN 1931	SD 1 (>0.5 <2)
Resistance to abrasion (TABER) grinder CS17 weight 1000 g per 1000 rounds	UNI EN ISO 4586	Loss in weight (%)= 0.06 (medium walkability)
Slip/Skid resistance of a surface: The Pendulum test	UNI EN 13036-4	PVT value 58
Hail resistance Rigid substrate Soft substrate	UNI EN 13583	(Impact speed: 22 m / sec at 0°C) No break No break
Fire reaction	UNI EN 13501-1	C_{fl} – s1

Adhesion to support (UNI 1542)

Adhesion to support after 14 days	
Concrete[1]	≥ 2.76 N/mm²
Tile[2]	≥ 1.28 N/mm²
Adhesion to support after 14 days of water immersion	
Concrete[1]	≥ 2.20 N/mm²
Tile[2]	≥ 1.08 N/mm²
Adhesion to support (N/mm²) after 14 days of salted water immersion	
Concrete[1]	≥ 2.00 N/mm²
Tile[2]	≥ 1.20 N/mm²
Adhesion to support (N/mm²) after 14 days of pH2 water immersion	
Concrete[1]	≥ 1.84 N/mm²
Tile[2]	≥ 1.22 N/mm²

Adhesion on METAL	≥ 2 N/mm²

Notes:

[1] Concrete delamination

[2] Tile break

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Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (µg/m³)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 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.