

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, even 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 to 1mm 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 or a smooth trowel, but avoiding using too much pressure.

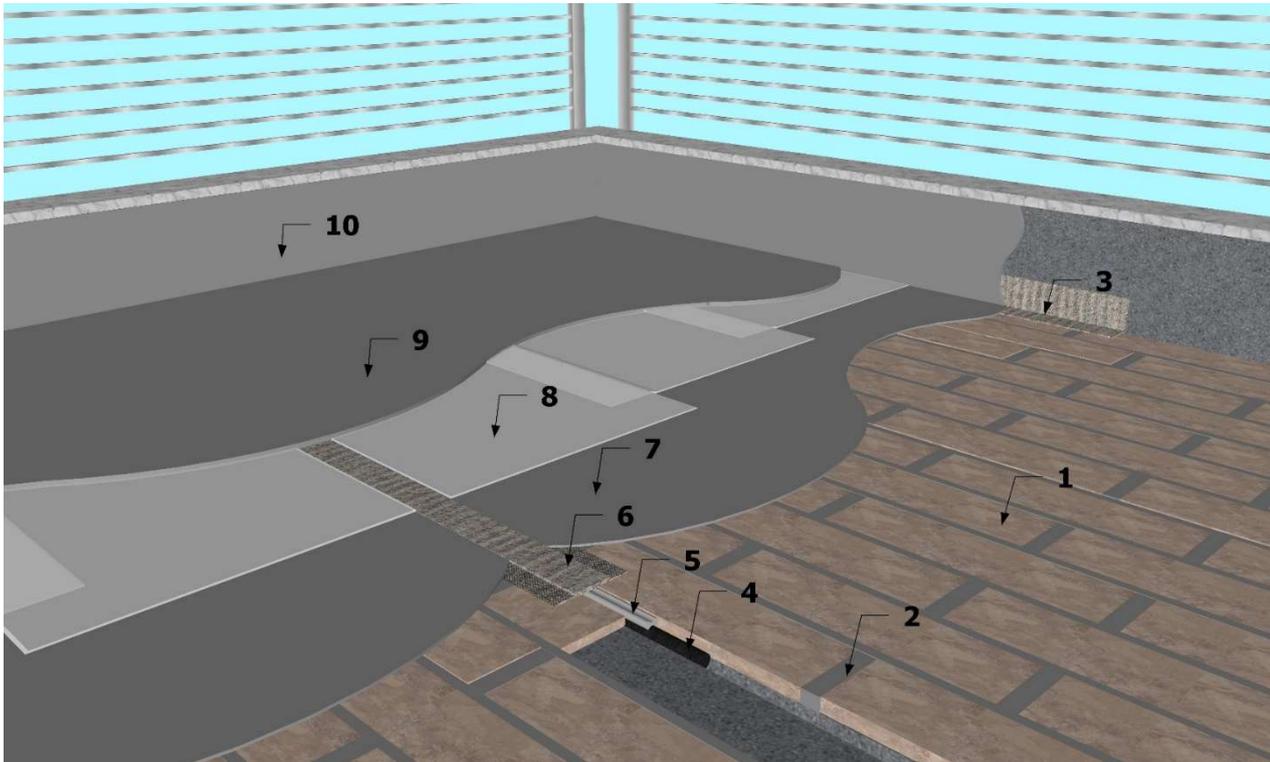
In a short time, the reinforcement will be incorporated by the product without further steps. Wait for the time required for the application of the 2nd coat (see temperature table) and complete the application with the remaining amount of product, up to the consumption rate indicated in this technical 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 2 nd coat	Walkability (after 2 nd coat)	Tables and chairs placement (after 2 nd 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

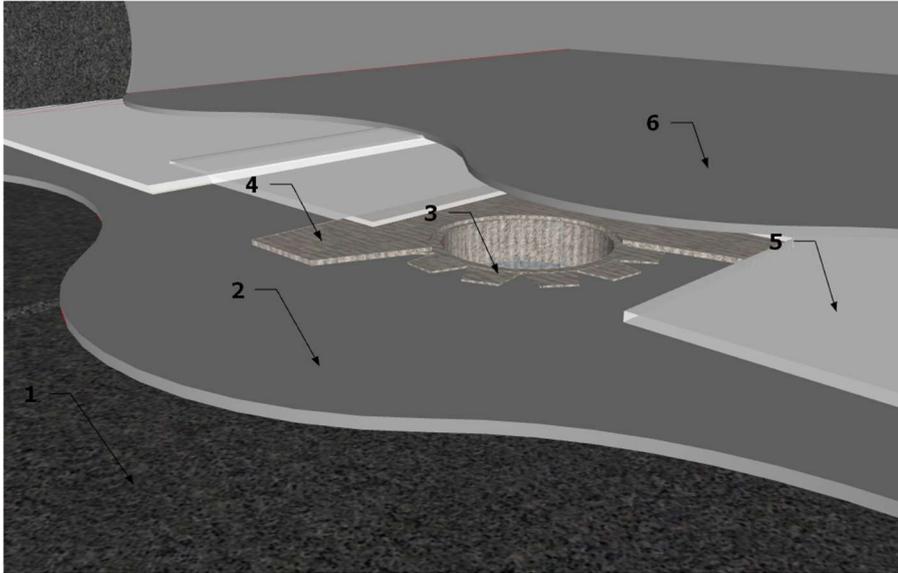


KEYS:

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**.



KEYS:

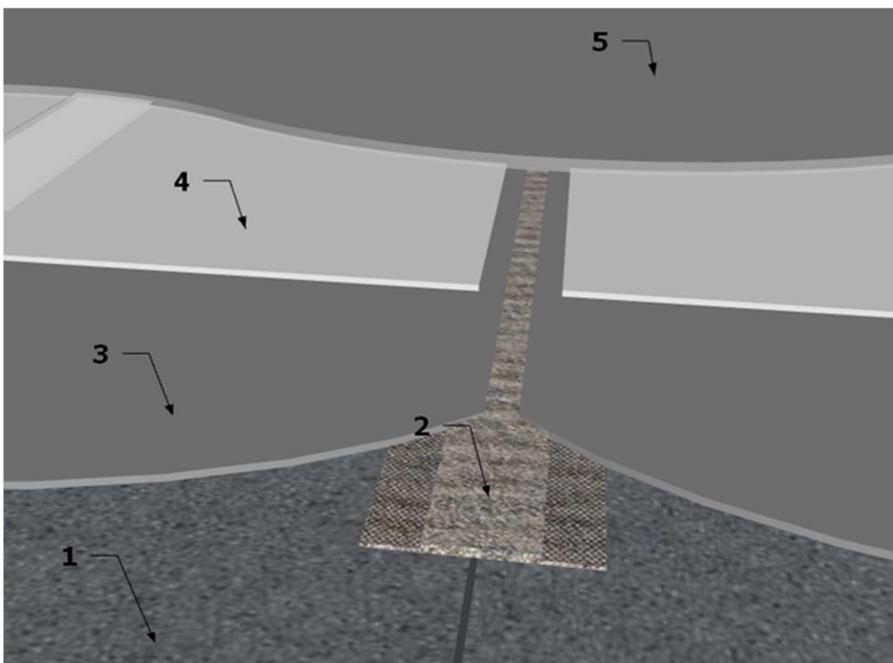
1. Bituminous membrane
2. **BC SEAL BAND**
3. **BC SEAL PAD**
4. First coat of **ONE**
5. **ONE MAT**
6. Second coat of **ONE**

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



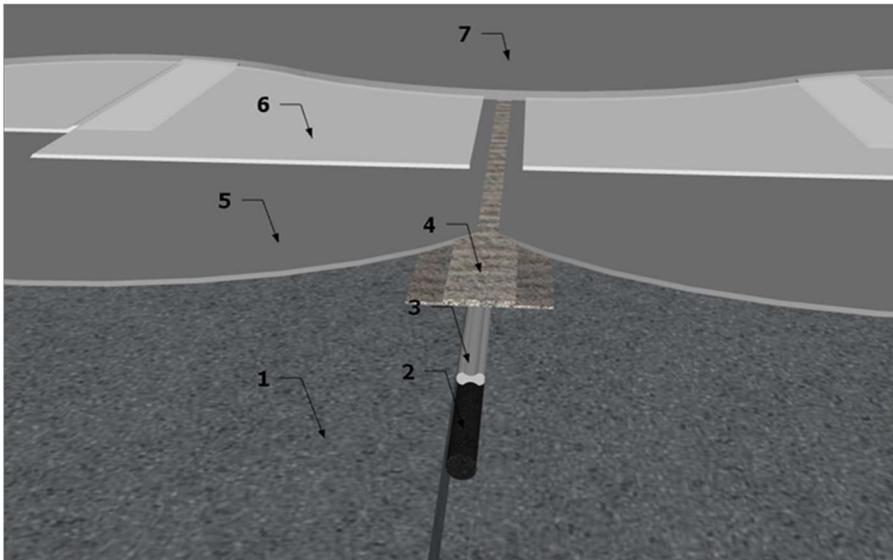
KEYS:

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

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.

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

Appearance	Fluid paste
Colour	White, grey, red, terracotta
Specific weight at 20°C (g/cm³)	1.40 ± 0.05
Dry content (%)	98 ± 1
Brookfield viscosity at 20°C (Cps)	5,500 ± 200

PERFORMANCE OF THE PRODUCT IN OPERATION

Operating temperature	-30°C + 80°C
Weathering resistance	Excellent
Resistance to U.V. rays	Excellent
Low temperature flexibility (-26°C)	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	4 bar
Resistance to positive pressure	6 bar
Water absorption after 24 h (%)	<0.1
Water absorption after 7 days (%)	<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	Loss in weight (%)= 0.06 (medium walkability)
Slip/Skid resistance of a surface: UNI EN 13036-4 The Pendulum test	PVT value 58
Hail resistance (UNI EN 13583)	(Impact speed: 22 m / sec at 0 ° C)
Rigid substrate	No break
Soft substrate	No break
Application temperatures	From 0°C to +45°C

Adhesion to support (UNI 1542)

Adhesion to support (N/mm ²) after 14 days	
CONCRETE ¹	≥ 2.76
TILE ²	≥ 1.28
Adhesion to support (N/mm ²) after 14 days of water immersion	
CONCRETE ¹	≥ 2.20
TILE ²	≥ 1.08
Adhesion to support (N/mm ²) after 14 days of salted water immersion	
CONCRETE ¹	≥ 2.00
TILE ²	≥ 1.20

Adhesion to support (N/mm ²) after 14 days of pH2 water immersion	
CONCRETE ¹	≥ 1.84
TILE ²	≥ 1.22

Adhesion on METAL	≥ 2
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Notes:

¹ Concrete delamination

² Tile break

Volatile Organic Compounds Emission

Parameter	Max. allowed concentration (μm^3)
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

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.