

PRODUCT DATA SHEET

ONE®

ITEM CODE: SEE DN

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DESCRIPTION OF THE PRODUCT

One-component, coloured, liquid-applied waterproofing membrane, specifically formulated to provide excellent impermeability and long-lasting protection of treated substrates. Specifically designed for application under extreme conditions, including low and high temperatures (from 0°C to + 45°C) and damp, very damp, or very wet substrates.

The product remains stable under thermal shock.

Formulated by WINKLER Research & Development Laboratories.

FIELDS OF USE

Suitable for application on cement-based screeds that are not fully cured (e.g. 7 days at +15°C), concrete substrates, tiled balconies affected by persistent excess humidity, ceramic tiles, metal surfaces in general, wood, brick, fibre-cement, and bituminous membranes (both smooth and mineral-slatted), including oxidized surfaces.

Once fully cured, the product is water resistant to wear, even under intense pedestrian traffic. Thanks to its mechanical resistance, it allows the placement of chairs and tables on rigid substrates such as concrete and ceramic tiles.

After application, the product becomes rain-resistant within a few hours, in accordance with the timetable provided below.

Rainproof Times

Application Temperature	Rainproofed in
+20°C	2 h
+15°C	2 h 30 min
+10°C	3 h
+5°C	4 h
0°C	5 h

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SURFACE PREPARATION

Thoroughly clean the substrate, removing dust, loose or friable material, and any foreign or non-adherent substances.

Before applying **ONE**[®], restore any missing volumes (from 2 to 22mm) using **PRE-ONE**[®], a quick setting premixed mortar suitable for application at low temperatures (0°C) and in presence of moisture. After applying **PRE-ONE**[®], allow a minimum curing time of 12 hours at a +20°C (for different temperatures, refer to the corresponding technical data sheet) before overapplying **ONE**[®].

For levelling floors with surface irregularities from 1 to 20 mm, use **WINLIVEL RAPID**, a fast-drying self-levelling compound.

For the construction of new screeds, use **WINPLAN 370**, a fast-drying screed, or **WINPLAN PRO**, a fast-drying screed with low water absorption.

TILED SURFACES

To regularize joints volumes (up to 1 mm depth) and improve surface finish, fill in a single coat using **ONE**[®] **VERTICAL** (approx. 300g/m²) applied with a smooth trowel. Allow to cure for at least 8 hours at +20°C before applying **ONE**[®] (for different temperatures, refer to the **ONE VERTICAL**[®] Technical Data Sheet).

RECCOMENDATIONS

Do not use the product if the packaging is damaged.

Do not add water or solvents.

WARNINGS

All work tools must be clean and dry.

Close the packaging immediately after use. High or low storage temperatures may affect the product's viscosity. To ensure optimal workability, we recommend storing **ONE**[®] at temperatures close to +20°C for at least 24 hours before use.

APPLICATION

Prepare the substrate as described in the section "SURFACE PREPARATION".

Before application, briefly mix the product (manually or using a low-speed drill) until a homogeneous consistency is achieved.

ONE[®] is ready to use and does not require primer.

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Apply **ONE**[®] using a short-pile roller, flat brush, metal spatula, or airless spray equipment (e.g. LARIUS series ZEUS, DRAGON, or THOR). For further specifications, please contact WINKLER Technical Department.

After thoroughly cleaning the surface, apply **ONE**[®] at a consumption rate of 700-900 g/m², depending on the substrate irregularity. During application, it is recommended to cross-apply the layers to ensure even product distribution.

Immediately embed **ONE**[®] **MAT** (90/m² non-woven reinforcement) using a spiked roller, avoiding excessive pressure. The reinforcement will be fully incorporated into the membrane shortly after application, without additional operations.

Wait for the required interval before applying the second coat (refer to the temperature table), then complete the system by applying the remaining quantity of product up to the total consumption indicated in this Technical Data Sheet. As with the first coat, cross-apply the layers to ensure uniform coverage.

When applying over modified bituminous membranes, ensure a minimum oxidation period of 180 days prior to application.

Curing Time Table (indicative values)

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	After 24 h	After 36 h
+15°C	After 12 h	After 24 h	After 36 h
+10°C	After 18 h	After 24 h	After 48 h
+5°C	After 24 h	After 36 h	After 60 h
0°C	After 24 h	After 48 h	After 72 h

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LEGEND:

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

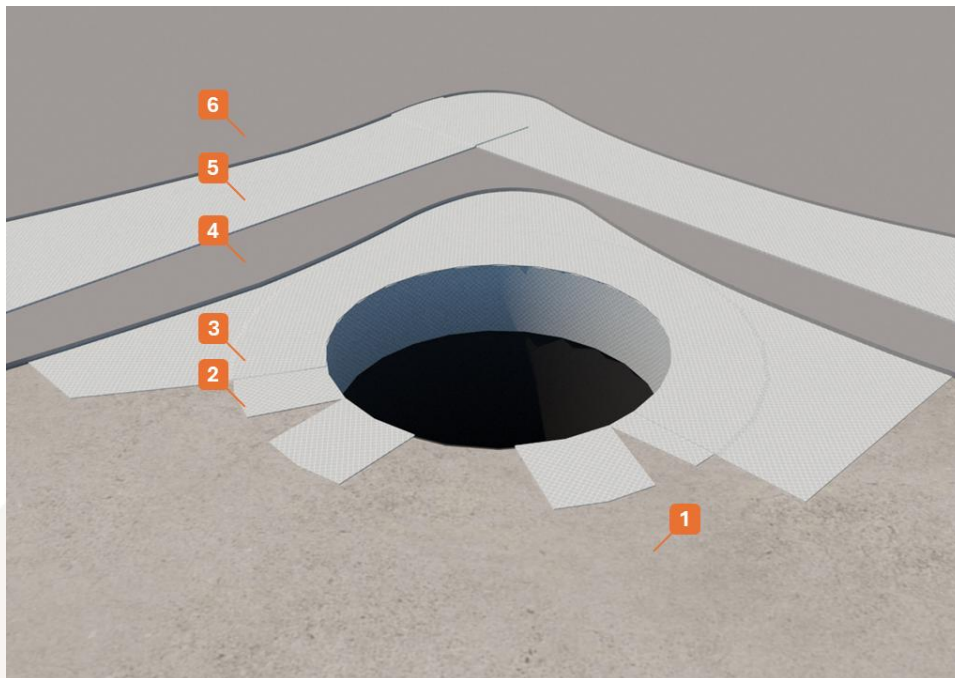
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APPLICATION WITH ACCESSORIES

For proper installation of the waterproofing system, apply self-adhesive **BC SEAL BAND** along the perimeter edges of the surface to be treated.

For penetrations such as pipes, aerators, and similar elements, use **BC SEAL PAD**, a butyl adhesive square.

If the substrate is still wet, first apply the first coat of **ONE®**. Once it has dried, apply **BC SEAL BAND** and **BC SEAL PAD** as required.



LEGEND:

1. Substrate
2. **BC SEAL BAND** – self-adhesive band
3. **BC SEAL PAD** – butyl adhesive square
4. First coat of **ONE®**
5. **ONE® MAT** – 90g/m² non-woven reinforcement
6. Second coat of **ONE®**

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SURFACES WITH JOINTS

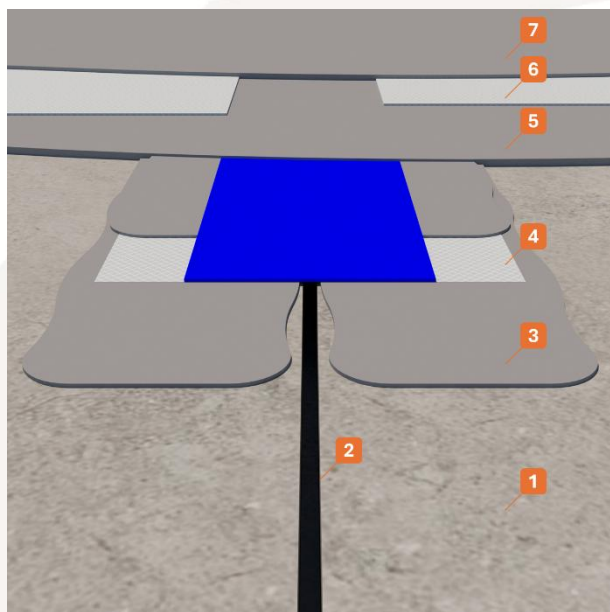
Sealing of joints up to 1 cm wide

Seal joints up to 10 mm wide using **WINJOINT BAND** (a waterproof elastic band made of rubber and polyester fabric, suitable for joint waterproofing), as follows:

After creating new joints or restoring existing ones, apply **ONE®** laterally to the joint, covering a width slightly larger than the joint itself.

Lay the **WINJOINT BAND** in the direction of unrolling, ensuring the fabric side remains visible. Position the perforated side strip on the area already treated with wet **ONE®**.

Once the product has dried, saturate the joint cover with the final coat of **ONE®** to complete the sealing.



LEGEND:

1. Structural substrate / screed
2. Joint
3. **ONE®**
4. **WINJOINT BAND** – waterproof elastic joint band (rubber and polyester fabric)
5. First coat of **ONE®**
6. **ONE® MAT** - 90/m² non-woven reinforcement
7. Second coat of **ONE®**

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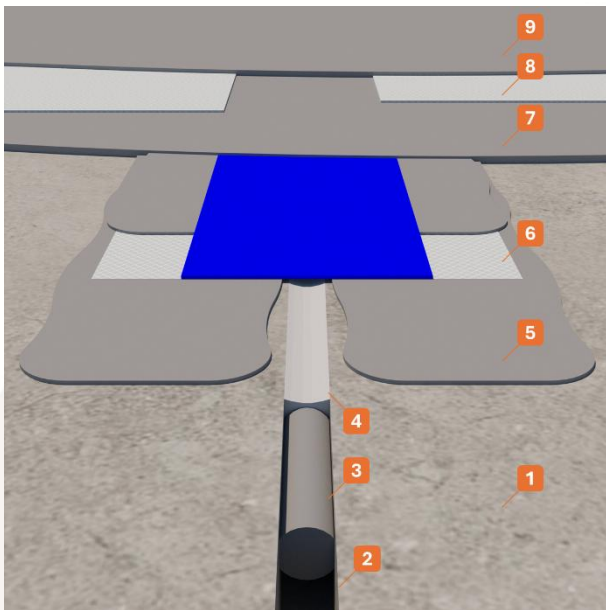
Sealing of joints wider than 10 mm

Seal joints wider than 10 mm using a system composed of **WINJOINT FOAM** (compressible polyethylene backer rod), **WINJOINT SEAL** (polyurethane sealant), and **WINJOINT BAND**, as follows:

After creating new joints or restoring existing ones, insert **WINJOINT FOAM** into the joint to the desired depth.

Extrude **WINJOINT SEAL** along the entire length of the joint, ensuring complete coverage.

Once the sealant has cured, lay **WINJOINT BAND** as previously described for joint reinforcement.



LEGEND:

1. Structural substrate / screed
2. **WINJOINT FOAM** – compressible polyethylene backer rod
3. **WINJOINT SEAL** – polyurethane sealant
4. **WINJOINT BAND** – waterproof elastic joint band (rubber and polyester fabric)
5. First coat of **ONE®**
6. **ONE® MAT** – 90 g/m² non-woven reinforcement
7. Second coat of **ONE®**

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CONSUMPTION

1.7-1.9 kg/m² applied in two coats with **ONE® MAT** embedded between coats

PACKAGING

1 kg tins

5 -20 kg buckets

CLEANING AND MAINTENANCE

For fresh product, clean tools with denatured ethyl alcohol.

For dried product, remove mechanically.

If it becomes necessary to clean **ONE®** surface over time, use a 1:1 solution of water and denatured alcohol.

STORAGE

The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS

For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS

Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

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TECHNICAL FEATURES (average value)

FEATURES	STANDARD	RESULT
Appearance	-	Liquid paste
Colour	-	White – Grey – Red – Terracotta
Specific weight at 20°C	UNI EN ISO 2811-1	1,40 ± 0,05 g/cm ³
Solid content	UNI EN ISO 3251	98 ±1 %
Brookfield viscosity at 20°C	UNI EN 8490	4.000 ± 1000 cPs

PRODUCT PERFORMANCE IN SERVICE

FEATURES	STANDARD	RESULT
Operating temperature	-	-30°C to + 80°C
Weathering resistance	-	Excellent
Resistance to UV 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 absorption	UNI EN 1062-3	W < 0.1 kg/m ² ·h ^{0.5}
Water vapour permeability	UNI EN 1931	SD 1 (>0.5 <2)
Resistance to abrasion (TABER, cs17, 1.000 g, 1.000 cycles)	UNI EN ISO 4586	Loss in weight 0.06% (medium walkability)
Slip/ skid resistance (Pendulum test)	UNI EN 1336-4	PTV 58
Hail resistance – rigid substrate (Impact speed: 22 m/s at 0°C)	UNI EN 13583	No break
Hail resistance – soft substrate (Impact speed: 22 m/s at 0°C)	UNI EN 13583	No break
Reaction to fire	UNI EN 13501-1	Cfl-s1

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ADHESION TO SUPPORT ACCORDING TO UNI EN 1542

ADHESION TO SUPPORT AFTER 14 DAYS	
Concrete ¹	≥ 2,76 N/mm ²
Tile ²	≥ 1,28 N/mm ²
ADHESION TO SUPPORT AFTER 14 DAYS OF WATER IMMERSION	
Concrete ¹	≥ 2,20 N/mm ²
Tile ²	≥ 1,08 N/mm ²
ADHESION TO SUPPORT AFTER 14 DAYS OF SALTED WATER IMMERSION	
Concrete ¹	≥ 2,20 N/mm ²
Tile ²	≥ 1,20 N/mm ²
ADHESION TO SUPPORT AFTER 14 DAYS OF IMMERSION IN 2 pH WATER	
Concrete ¹	≥ 1,84 N/mm ²
Tile ²	≥ 1,22 N/mm ²
Metal	≥ 2 N/mm ²

Notes:

¹ Concrete delamination

² Tile break

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VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION ($\mu\text{g}/\text{m}^3$)
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. 392-2017-00404102_G_EN_02.

The product complies with the requirements of Directive 2003/53/EC.

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