

PRODUCT DATA SHEET

2.0

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REVIEW: 01

DESCRIPTION OF THE PRODUCT

Pigmented single-component silicone-based liquid membrane, formulated to provide outstanding waterproofing performance and long-lasting protection of treated substrates. It has been formulated in the **Research & Development laboratories of Winkler**. It has been specifically developed for application even under extreme conditions, both at low and high temperatures (from 0°C to +50°C), and is suitable for use on damp substrates with a moisture content of up to 8%.

The product ensures stability against thermal shock and offers excellent resistance to UV radiation.

FIELDS OF USE

Suitable for application on cement screeds, concrete substrates, roof tiles, metal surfaces, wood, brickwork, and fiber cement. It can also be applied over smooth oxidized bituminous membranes (180 days after installation), EPDM membranes, and PVC substrates with at least two years of aging.

Unlike other silicone-based products, **2.0** can be overcoated with the same material. This unique feature allows for maintenance interventions over time, significantly extending the service life of the waterproofing system.

Once applied, the product becomes rain-resistant within a few hours (please refer to the table below for details).

2.0 is suitable for foot traffic for maintenance purposes only.

TIME TO RAIN RESISTANCE

Application Temperature	Time
20°C	3 h
15°C	3 h 30 minutes
10°C	5 h
5°C	6 h
0°C	8 h

RECOAT TIME

Application Temperature	Minimum Recoat Time	Pedonabilità per servizio
20°C	After 4 h	24 h
15°C	After 5 h	24 h
10°C	After 6 h	24 h
5°C	After 8 h	36 h
0°C	After 24 h	48 h

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WARNINGS

Do not use the product if the container is damaged.

The product is ready to use and must not be diluted with water or solvents.

All application tools must be clean and dry before use. Close the containers immediately after use, placing the polyethylene sheet supplied inside the packaging in direct contact with the product, as originally positioned when the container was first opened.

High or low storage temperatures may affect the product's viscosity. To ensure optimum workability, it is recommended to store **2.0** at a temperature close to 20°C for at least 24 hours prior to application.

SURFACE PREPARATION

Carefully clean the substrate to remove dust, loose or friable material, and any foreign or release agents.

CONCRETE SURFACES

On concrete substrates and other absorbent surfaces, in order to prevent the formation of surface bubbles caused by air release from the substrate, it is recommended to apply a coat of **2.0** as a primer, at a coverage rate of approximately 250–300 g/m².

TILED SURFACES

To level out grout joints (up to a depth of 1 mm) and improve the final finish, apply a single filling coat of **2.0** at a coverage rate of approximately 300 g/m² using a smooth trowel. Allow at least 4 hours at 20°C before applying the **2.0 system** (for different temperatures, please refer to the relevant table).

SYNTHETIC SURFACES AND BITUMINOUS MEMBRANES

Carefully clean the surface using a low-pressure water jet until the substrate is clean and free from any contaminants or release agents that could impair adhesion.

APPLICATION

Prepare the substrate to be treated as described in the "Surface Preparation" section.

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

The product is ready to use and does not require a primer.

2.0 can be applied using a short-nap roller, brush, metal trowel, or airless spray pump.

After thoroughly cleaning the surface to be treated, apply **2.0** at a coverage rate of 700–800 g/m², depending on the irregularity of the substrate. It is recommended to apply the product in cross-coats to ensure an even and uniform distribution.

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Immediately lay the 90 g/m² **ONE® MAT** reinforcing nonwoven fabric (TNT) onto the fresh coating, using a roller to aid embedding without applying excessive pressure. Then apply a further thin coat of **2.0** until the reinforcement is completely covered and no longer visible.

Allow the required drying time before applying the second coat (see the temperature table) and complete the application using the remaining quantity of product, reaching the total coverage specified in this Technical Data Sheet.

As with the first coat, it is recommended to apply the second coat in cross passes to ensure uniform distribution of the product.

For application on newly installed bituminous membranes, a minimum oxidation period of 180 days must be observed before applying **2.0**.

APPLICATION WITH ACCESSORIES (SYSTEM COMPONENTS)

To ensure the correct installation of a waterproofing system, apply the **BC SEAL BAND** self-adhesive tape along the perimeter edges of the area to be treated. For pipe penetrations, vent outlets, and similar details, use **BC SEAL PAD**, a self-adhesive butyl sealing patch.

SURFACES WITH JOINTS

Joints with a width of up to **1 cm** must be sealed using **WINJOINT BAND** (a waterproof elastic joint-covering strip made of rubber and polyester fabric, specifically designed for joint waterproofing), as follows:

After creating new joints or restoring existing ones, apply **2.0** on both sides of the joint over an area wider than the joint-covering strip.

Unroll and position the joint-covering strip in the direction of application, ensuring that the fabric side remains visible.

Embed the perforated side edges of the strip into the freshly applied **2.0**, ensuring full adhesion.

Once dry, the strip can be completely covered with the final coat of **2.0**.

JOINTS WIDER THAN 1 CM

Joints with a width greater than **1 cm** must be sealed using a system consisting of **WINJOINT FOAM** (compressible backer rod), **WINJOINT SEAL** (polyurethane sealant), and **WINJOINT BAND**, as follows:

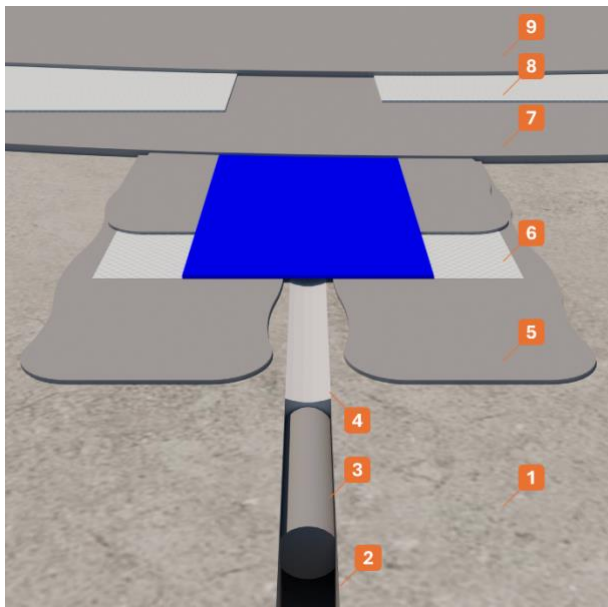
After creating new joints or restoring existing ones, insert **WINJOINT FOAM** into the joint to the required depth.

Apply **WINJOINT SEAL** along the entire length of the joint.

Once the sealant has fully cured, apply **WINJOINT BAND** as described above for joints up to 1 cm wide.

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JOINT DETAIL FOR JOINTS WIDER THAN 1 CM



Legend:

1. Substrate
2. Joint
3. **WINJOINT FOAM** – Compressible backer rod
4. **WINJOINT SEAL** – Polyurethane sealant
5. **2.0**
6. **WINJOINT BAND** – Joint-covering strip
7. First coat of **2.0**
8. **ONE® MAT**
9. Second coat of **2.0**

CLEANING OF TOOLS

While the product is still fresh, clean tools with paper towels, a neutral detergent, or denatured ethyl alcohol.

Once the product has cured, it can only be removed mechanically.

CLEANING OF THE PRODUCT IN SERVICE

If, over time and through normal use, the **2.0** surface requires cleaning, use a 1:1 solution of water and neutral detergent.

CONSUMPTION

1.8–2.0 kg/m² in two coats with **ONE® MAT** reinforcement interposed.

COLORS

Red, Grey, white, green and Reflective White.

PACKAGING

5-20 kg buckets.

STORAGE

The product has a shelf life of 12 months when stored in its original, unopened packaging in a dry and protected place. Protect from frost. Store at temperatures between +5°C and +35°C.

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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).

PRODUCT CHARACTERISTICS FOR PROFESSIONAL USE ONLY

CHARACTERISTIC	STANDARD	RESULT
Appearance	-	Fluid paste
Color	-	Red, Grey, white, green and Reflective White.
Density at 20°C	EN ISO 2811-1	1,2 ± 0,1 g/cm ³
Dry solids content (by weight)	EN ISO 3251	96 ± 2%
Brookfield viscosity at 20°C	UNI EN 8490	9800 ± 500 cPs

PERFORMANCE OF THE PRODUCT IN SERVICE

Characteristics	Standard	Results
Service temperature	-	From -40°C to +150°C
Weather resistance	-	Excellent
UV resistance	-	E (no degradation)
Low-temperature flexibility (≤ -40°C)	ASTM D 522	No cracking
Elongation at break	ASTM D2370	≥ 200%
Elongation at break after aging (10 years)		To be tested
Water absorption after 24 h	ASTM D 471	≤ 5%
Water absorption after 7 days	ASTM D 471	≤ 6%
Water vapor permeability	UNI EN 1931	SD 2 (> 0,5 < 2)
Slip/Skid resistance: Pendulum Test Value (PTV)	UNI EN 13036-4:2011	Dry: 103 Wet: 52
Slip potential	Assessment	Probability of slipping
High slip potential	0-24 PTV	Up to 1 in 20

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Moderate slip potential	25-35 PTV	1 su 100.000
Low slip potential	36 + PTV	1 su 1.000.000
Very low slip potential	75 + PTV	Less than 1 in 1.000.000
Reaction to fire	UNI EN 13501-1	To be tested
Hail resistance	UNI EN 13583	Impact velocity: 22 m/s (at 0°C)
Rigid substrate		To be tested
Flexible substrate		

Adhesion to substrate after 14 days	
Adhesion to substrate – Concrete ¹	≥ 0,5 N/mm ²
Adhesion to substrate – Tile ²	≥ 0,5 N/mm ²
Adhesion to substrate after 14 days of water immersion	
Adhesion to substrate – Concrete ¹	≥ 0,5 N/mm ²
Adhesion to substrate – Tile ²	≥ 0,5 N/mm ²
Adhesion to substrate after 14 days of saltwater immersion	
Adhesion to substrate – Concrete ¹	≥ 2,00 N/mm ²
Adhesion to substrate – Tile ²	≥ 1,20 N/mm ²
Adhesion to metal substrates	
Adhesion to metal substrates	≥ 0,5 N/mm ²

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