

# PRODUCT DATA SHEET

## 2000 PLUS

ITEM CODE: SEE DN

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### DESCRIPTION OF THE PRODUCT

Water-based, coloured elastomeric protective membrane formulated with special fillers and additives that provide excellent resistance to water stagnation and UV rays. Formulated by WINKLER Research & Development Laboratories.

### FIELDS OF USE

**2000 PLUS** is designed for the protection of smooth and slated oxidized bituminous membranes of any size.

It is also suitable for the treatment and surface protection of bricks, wood, façades, concrete, stone, natural stone, and asbestos cement.

### SURFACE PREPARATION

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

To check the substrate moisture and prevent the formation air bubbles caused by vapor pressure, cover the surface with a polyethylene sheet sealed with adhesive tape on the side exposed to the sun and check after 24 hours. If no condensation is observed, proceed with the application of **2000 PLUS**. If condensation is present, wait until the substrate is fully dry before applying.

For powdery or weak concrete substrates, it is recommended to apply a preventive coat of **WINFIX CONCRETE**.

### RECOMMENDATIONS

Do not add any additives.

Do not use the product if the packaging is damaged.

Do not dilute with water or solvents.

### WARNINGS

If **2000 PLUS** is applied over a polymer-bitumen membrane, ensure that the membrane has undergone at least 180 days of oxidation. If the bituminous membrane is not yet oxidized, apply one coat of **2000 FAST PRIMER** on a clean, dry surface at a consumption rate of 250 g/m<sup>2</sup>.

Apply **2000 PLUS** at temperatures between +5°C and +35°C.

Protect the treated surface from water, rain, and snow for at least the first 24 hours after application. Avoid application under conditions of high night-time humidity.

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## APPLICATION

The product is ready to use. Apply on a clean, dry surface using a roller, brush, or airless spray gun.

Ensure uniform application to achieve the desired film thickness.

The product may also be applied in a single coat, if required.

## CONSUMPTION

On smooth membranes: 0.55-0.6 kg/m<sup>2</sup> in a single coat

On slated membranes: 0.9 kg/m<sup>2</sup> in two coats

## PACKAGING

5-10-20 kg buckets

## 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	RESULT
Appearance	Fluid Paste
Colour	White – Grey – Red - Green
Density at +20°C	1,5 ± 0,05 g/cm <sup>3</sup>
Solid content	70 ± 2%
pH	9 ± 1
Brookfield viscosity at +20°C	10.000 + 1.000 cPs

## PERFORMANCE OF THE PRODUCT IN SERVICE

FEATURES	STANDARD	RESULT
Operating Temperature	-	-20°C + 80°C
Resistance to Atmospheric Agents	-	Good
UV Resistance	-	Good
Resistance to Water Stagnation	-	Good
Water Absorption after 7 Days Immersion	ASTM D471	14.8% (request ≤ 20%)

## ADHESION AFTER SUN-RAIN CYCLES ACCORDING TO UNI EN 10686: 1998

Substrate	Before Sun-Rain Cycles	After Sun-Rain Cycles	Requirement
Concrete	1.28 N/mm <sup>2</sup>	1.09 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>

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## SUPPORT ADHERENCE AFTER 25 CYCLES ACCORDING TO ASTM C 794

Substrate	Dry substrate	After 7 days Immersion in Water	Requirement
Bituminous membrane	0.74 N/mm <sup>2</sup>	0.40 N/mm <sup>2</sup>	≥ 0.34 N/mm <sup>2</sup>

## TENSILE STRENGTH AND ELONGATION AT BREAK AFTER 14 DAYS ACCORDING TO ASTM D 2370

Breaking Strength	Elongation
2.8 N/mm <sup>2</sup>	158 %

## TENSILE STRENGTH AND ELONGATION AT BREAK AFTER 500 HOURS (≈ 5 YEARS) OF ACCELERATED AGEING (ASTM D 2370)

Breaking Strength	Elongation
2.95 N/mm <sup>2</sup>	103 %

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## VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )
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. 392-2017-00404102\_G\_EN\_02.

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

## PRODUCT FOR PROFESSIONAL USE ONLY

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