

PRODUCT DATA SHEET

2000 FAST REFLEX

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DESCRIPTION OF THE PRODUCT

Water-based, white coloured, liquid elastomeric protective membrane formulated with special fillers and additives that provide high solar reflectivity and infrared emissivity. The product is resistant to water stagnation and is ideal for application on large surfaces. Formulated by WINKLER Research & Development Laboratories.

APPLICABLE REGULATIONS

2000 FAST REFLEX complies with the following standards and classifications:

- Solar Reflectance Index (SRI) determined according to ASTM E1980-11
Initial SRI: 106

FIELDS OF USE

2000 FAST REFLEX is specifically formulated for the protection of smooth or slated bituminous membranes of any size and can be applied immediately after installation.

It is ideal for applications requiring enhanced thermal insulation and reduced solar heat absorption, leading to significant energy savings for building air-conditioning systems and increased efficiency of photovoltaic panels.

SURFACE PREPARATION

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

The surface must be pre-treated with **2000 FAST PRIMER**.

RECOMMENDATIONS

Do not add any additives.

Do not use the product if the packaging is damaged.

Do not dilute with water or solvents.

WARNINGS

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

Protect the treated surface from water, rain, and snow for the first 24 hours.

Avoid application under conditions of high night-time humidity.

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PRIMER APPLICATION

On a clean, dry substrate, apply **2000 FAST PRIMER** in a single coat, with a consumption of 250 g/m².

Refer to the table below for the recommended waiting time before over-applying **2000 FAST REFLEX**.

TABLE 1 – DRYING TIME 2000 FAST PRIMER

WHEATHER CONDITIONS	OVER-APPLYING
20°C up to 55% RH	3 h
15°C up to 55% RH	5 h
10°C up to 55% RH	8 h
5°C up to 55% RH	12 h

APPLICATION

The product is ready to use. Before application, mix briefly to ensure uniform consistency. Apply on a clean, dry surface using a roller, brush, or airless spray gun.

Apply **2000 FAST REFLEX** in two layers, allowing at least 24 hours between the first and the second coat.

CONSUMPTION

1.0 kg/m² 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.

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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).

TECHNICAL FEATURES (average value)

FEATURES	STANDARD	RESULTS
Appearance	-	Fluid Paste
Colour	-	White reflex
Density at +20°C	EN ISO 2811-1	1,54 ± 0,05 g/cm ³
pH	UNI EN 8490-4	10 ± 1
Brookfield viscosity at 20°C	UNI EN 8490	14.000 + 1.000 cPs

PERFORMANCE OF THE PRODUCT IN SERVICE

FEATURES	STANDARD	RESULTS
Operating Temperature	-	-20°C to + 80°C
Resistance to Atmospheric Agents	-	Excellent
UV Resistance	-	Excellent
Resistance to Standing Water	-	Excellent
Tensile Strength	ASTM D 2370	≥ 220 psi
Elongation at Break	ASTM D 2370	≥ 230 %
Water Absorption after 7 Days Immersion	ASTM D 471	≤ 20%

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SOLAR PROPERTIES ACCORDING TO ASTM E 903-96, ASTM C 1371, AND ASTM E 1980

PROPERTY	RESULTS
Solar Reflectance Index (SRI)	> 106%
Solar Reflectance Factor (ρ_e)	0.84
Solar Absorption Factor (α)	0.16
Emissivity (ϵ)	0.92

PRODUCT FOR PROFESSIONAL USE ONLY

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