



ROOFTEC POLY-GUARD TOP COAT DATA SHEET

ONE COMPONENT, ALIPHATIC, ELASTIC, POLYURETHANE TOP COAT

Rooftec Poly-Guard Top Coat is a one component, polyurethane coating that offers superior protection from mechanical, thermal, UV and natural element factors. Pigmented to RAL colour 7040, the Top Coat has similar elastomeric properties to Rooftec Poly-Guard liquid system with an advanced formular which allows minimum material consumption and removes the requirement for a second coat.

RECOMMENDED FOR:

- Top Coating for the Rooftec Poly-Guard liquid waterproofing system.

FEATURES AND BENEFITS:

- Pigmented to RAL 7040.
- Excellent heat and ultraviolet/UV resistance, it will not yellow, peel or soften up to 90°C.
- Outstanding resistance to chemicals and mechanical stresses with high tensile strength and abrasion resistance.
- Excellent coverage, even in one coat.
- Strong and uniform adhesion.
- Highly hydrophobic.
- Highly durable when exposed to natural elements.
- Outstanding resistance to chemicals and mechanical stresses with high tensile strength and abrasion resistance.

LIMITATIONS:

Not recommended for:

- Unsound substrates.
- Application in thick coats.

COMPLIANCE - CERTIFICATION:

- The adhesion strength of Top Coat exceeds the requirements of EOTA (European Organization of Technical Approval).
- CE certified according EN 1504-2:2004.

APPLICATION PROCEDURE:

Surface Preparation: Make sure surface is dry and free of loose debris, cement laitance, mould and chemical agents.

Mixing: Stir thoroughly or use a low speed (300rpm) mixer with a paddle if possible. When stirring, take care not to introduce air to the fluid. This may result in bubbling on the cured membrane. Sedement separation may occur in the pail after prolonged storage. This can be blended in the product with mechanical mixing.

Application: Top Coat must be applied to Rooftec Poly-Guard liquid roofing membrane within 72 hours. Apply on a dry surface using a roller, squeegee, brush or airless spraying in one or two coats. Do not exceed 48 hours between coats.

CONSUMPTION:

- NO TRAFFIC UV Protection – Minimum Consumption 0.2kg/m².
- ANTI SLIP UV Protection – Minimum Consumption 0.4kg/m².

CLEANING:

Clean tools and equipment with paper towels and then solvent. Rollers will not be reusable.

SHELF LIFE:

Kept in a cool dry place for up to 12 months from production date in original, unopened pails at temperatures between 5-25°C. Once opened, use as soon as possible.

SAFETY INFORMATION:

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

ROOFTEC

POLY-GUARD TOP COAT

TECHNICAL SPECIFICATIONS

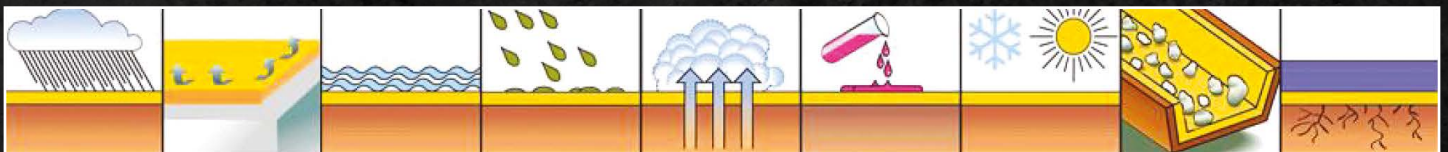
IN LIQUID FORM (BEFORE APPLICATION):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25°C	400-800
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	1.15-1.25
Tack free time, @ 77°F (25°C) & 55% RH	hours	-	6-8
Recoat time	hours	-	24

THE CURED MEMBRANE:

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	°C	-	-40 to 90
Max. temperature short time (shock)	°C	-	200
Hardness	Shore D	ASTM D2240 / DIN 53505 / ISO R868	40
Tensile strength at break @ 23°C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	400 (40)
Percent elongation @ 23°C	%	ASTM D412 / EN-ISO-527-3	> 300
Water vapor transmission	gr/c ² . hr	ASTM E96 (Water Method)	0.8
Thermal resistance (100 days @ 80°C)	-	EOTA TR011	passed
QUV Accelerated Weathering Test (4hr UV, @ 60°C (UVB- Lamps) & 4hr COND @ 50°C)	-	ASTM G53	passed (2000 hours)
Hydrolysis (Potassium Hydroxide 8%, 10 days @ 50°C)	-	-	no significant elastomeric property change
Hydrolysis (Sodium Hypochlorite 5%, 10 days)	-	-	no significant elastomeric property change
Water absorption	-	-	< 1.4%

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Certified quality, environmental and occupational health & safety management systems: ISO 9001/14001 & ISO 45001.



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RPLRMGTC, 6.9.2021