

ALSAN® TRAFIK RS 730 FIELD

Rapid-Setting Liquid Membrane Resin

PRODUCT DATA SHEET PD10398 - REV 231103



APPLICATIONS

WATERPROOFING

PRODUCT NUMBERS:

- 00513186 - **20 kg (16.18 L) Pail**
(Summer grade - Khaki grey)
- 00513188 - **20 kg (16.3 L) Pail**
(Winter grade - Khaki grey)

Requires the addition of ALSAN RS CATALYST.

DESCRIPTION & FEATURES:

ALSAN TRAFIK RS 730 FIELD is a high-performance, rapid-setting, polymethyl methacrylate (PMMA) liquid resin. **ALSAN TRAFIK RS 730 FIELD** resin is combined with ALSAN RS FLEECE to form a monolithic, self-flashing and self-adhering reinforced waterproofing membrane.

ALSAN TRAFIK RS 730 FIELD is available in summer or winter formulations.

- UV stable, high solids and VOC compliant
- Rapid curing and easy application provides same-day installation

MIXING INSTRUCTIONS & CATALYZING:

Using a slow-speed (200 to 400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes before use. Only catalyze the amount of material that can be used within 10-15 minutes. Add the pre-measured catalyst to the resin component and stir for two minutes and apply to the substrate. Refer to the catalyst information found on the second page of this PDS. Apply without dilution or thinning.

APPLICATION:



BRUSH



ROLLER

After mixing, apply **ALSAN TRAFIK RS 730 FIELD** to prepared substrate at the required consumption using a roller or brush. The resin should be applied evenly onto the surface using care not to spread too thin or pool in low areas.

Refer to the ALSAN TRAFIK RS Roofing Technical Manual for additional application guidelines.

STORAGE:

Always store closed containers in a cool, ventilated and dry location away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 55°F (13°C) or above 80°F (27°C). Approximate shelf life is 12 months from date of shipment when properly stored, sealed and unmixed.

LIMITATIONS:

SOPREMA advises that adhesion/peel tests be performed prior to application to ensure adequate bond can be achieved.

TESTING & APPROVALS:



NOA # 21-0506.03

FL28136, FL14215, FL13806



WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.



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PRODUCT MIXING & WORKING TIMES:

WORKING TIMES & TEMPERATURES		
SUMMER FORMULATION	PROPERTY	WINTER FORMULATION
50 - 95 (10 - 35)	Ambient temperature, °F (°C)	23 - 68 (-5 - 20)
50 - 122 (10 - 50)	Substrate temperature, °F (°C)	23 - 68 (-5 - 20)
50 - 86 (10 - 30)	Resin temperature, °F (°C)	37 - 68 (3 - 20)
15 - 20	Pot life @ 68°F (20°C), min	15 - 20
30 - 45	Rain proof @ 68°F (20°C), min	45 - 60
1 - 1.5	Next layer @ 68°F (20°C), hours	1 - 2
3 - 6	Fully cured @ 68°F (20°C), hours	5

* All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures.

CATALYST MIXING CHART										
CATALYST REQUIRED	SUMMER FORMULATION				WINTER FORMULATION					
	4% CATALYST 50°F - 68°F (10°C - 20°C)		2% CATALYST 68°F - 95°F (20°C - 35°C)		6% CATALYST 23°F - 37°F (-5°C - 3°C)		4% CATALYST 37°F - 50°F (3°C - 10°C)		2% CATALYST 50°F - 68°F (10°C - 20°C)	
20 KG CAN	8 (0.1 kg) packets		4 (0.1 kg) packets		12 (0.1 kg) packets		8 (0.1 kg) packets		4 (0.1 kg) packets	
1 LITER (~1.2 kg)	5 (tbsp)	0.05 (kg)	2.5 (tbsp)	0.025 (kg)	7 (tbsp)	0.07 (kg)	5 (tbsp)	0.05 (kg)	2.5 (tbsp)	0.025 (kg)

* Catalyst quantity will range from 2 - 6% (by weight) dependent on the ambient temperature.

APPROXIMATE COVERAGE RATES							
SUBSTRATE PROFILE	20 KG UNIT ft ² (m ²)	MINIMUM TOTAL CONSUMPTION kg/ft ² (kg/m ²)	BASE COMPONENT CONSUMPTION kg/ft ² (kg/m ²)	TOP COAT kg/ft ² (kg/m ²)	TOTAL THICKNESS mils (mm)	BASE COAT mils (mm)	TOP COAT mils (mm)
SMOOTH (CPS1 or primed substrate)	70 (6.5)	0.28 (3.0)	0.18 (2.0)	0.10 (1.0)	98 (2.5)	66 (1.6)	32 (0.9)
TYPICAL (CSP 3-4 & SBS sanded base sheet)	65 (6.1)	0.30 (3.3)	0.20 (2.3)		106 (2.7)	74 (1.8)	
SBS GRANULATED SHEET (CSP 5)	56 (5.2)	0.35 (3.8)	0.25 (2.8)		122 (3.1)	90 (2.2)	
ROUGH (CSP 6)	49 (4.6)	0.40 (4.3)	0.30 (3.3)		140 (3.6)	108 (2.7)	

All values are nominal. Coverage rates may vary depending on substrate conditions and the application technique. Wet and dry thicknesses are always equivalent. Concrete Surface Profile (CPS) from ICRI (International Concrete Repair Institute). Although ALSAN TRAFIK RS 730 FIELD is not applied on concrete, the surface profiles induced are mentioned as an indication to estimate the coverage rates of the product.

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TECHNICAL INFORMATION & TESTING:

PHYSICAL PROPERTIES			
PROPERTY	VALUE		ASTM TEST METHOD
Technology	Polymethyl methacrylate (PMMA)		-
Color	Khaki grey		-
Peak load @ 73.4°F (23°C) control, lbf/in (kN/m)	60 (10.5)	55 (9.6)	D5147
Elongation @ 73.4°F (23°C) control, %	55	85	D5147
Peak load @ 73.4°F (23°C) post heat aging, lbf/in (kN/m)	65 (11.4)	70 (12.3)	D5147
Elongation @ 73.4°F (23°C) post heat aging, %	55	50	D5147
Peak load @ 73.4°F (23°C) post acc. weathering, lbf/in (kN/m)	70 (12.3)	70 (12.3)	D5147
Elongation @ 73.4°F (23°C) post acc. weathering, %	70	60	D1475
Peak load @ 0°F (-18°C), lbf/in (kN/m)	130 (22.8)	110 (19.3)	D1475
Elongation @ 0°F (-18°C), %	65	85	D1475
Tear resistance, lbf (N)	75 (334)	60 (267)	D1475
Dimensional stability, %	0.1	0.1	D1475
Low temperature flexibility, °F (°C)	Pass -33 (-36.1)	Pass -33 (-36.1)	D7264
Low temperature crack bridging	No cracks		C1305
Static puncture resistance, lbf (N)	Pass 56 (249)		D5602
Shore A hardness, durometer	87		D2240
Water absorption @ 212°F (100°C), %	0.9		D570
Water vapor permeance, perms	0.3		E96
Self-ignition, °F (°C)	752 (400)		D1929
Smoke density index	105		E84
Rate of burning, in/min (m/hr)	0.9 (1.4)		D635
Cleanup	Alsan RS Cleaner		-
Shelf life, months	12		-
VOC content, g/L	< 5		EPA Method 24

* Data is represented by average values, unless noted otherwise.

SUSTAINABILITY



VOC CONTENT
LOW EMITTING

< 5 g/L



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