

Test Report No. 8511206472/1

In accordance with Clause 12 of the Standard Law, 1953

Details of order

The test was ordered by	: Pazkar Ltd.
Address	: Alon Tavor Industrial zone, Afula 18120, ISRAEL
Date of order	: 11/05/05

Description of sample

White liquid membrane used in roof waterproofing – Master roof , marked 480-1-035
Primer for bitumen: Master Prime

Sampling details

The sample was taken on 11/05/05 by a representative of the customer .

Nature of test

To determine the properties of the materials in accordance to the test methods in Israel Standard SI 4518 (November 2001) and additional properties requested by Pazkar.
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This report contains 3 pages and may be used only in full.


The test results in this document refer only to the item tested.

Test conclusions

The test results are given on pages 2-3.
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This document is not approval for marking the product with the Standards Mark

Name : Zohar Peisic
Position : Head, Sealing and Coating Materials Section


Name : Eng. Avi Burshtein
Position : Head, Structures and Sealing Materials Branch

28/08/05

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Clause no.	Property tested	Units	Test results	Requirements of SI 4518	
3.2.1	Specific weight	kg/liter	1.34	Shall not deviate by more than +3 % from the manufacturer's declaration.	
3.2.3	Weight content of nonvolatile material	%	70	Shall not deviate by more than +3 % from the manufacturer's declaration	
3.3.1	Elongation at maximum tensile force	%	Minimum: 264 Average: 273	According to manufacturer's declaration.	
3.3.2	Tensile strength at fracture	MPa	Minimum: 1.63 Average: 1.67		
	Elongation at fracture	%	Minimum: 355 Average: 471		
3.3.1	Water absorption	%	Average: 5.0	Less than 20.	
3.3.4	Resistance to water immersion	Visual	There were no signs of crumbling.	There shall be no signs of crumbling.	
3.3.5	Watertightness after water immersion	0.5 atm. for 24 hours	Water did not pass through the specimen.	Water shall not pass through.	
3.3.6	Axial bonding strength	MPa	Minimum: 1.2 Average: 1.36	Minimum: 0.4 Average: 0.5	
3.3.7	Low temperature flexibility	-10 °C	No cracks appeared.	No cracks shall appear.	
		-25 °C	No cracks appeared.	No requirement.	
3.3.8 3.3.8.1	Dynamic bridging over a crack - before weathering after conditioning in air <u>Designation of coating system: M</u>	1000 cycles of 1.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
			2	No cracks appeared	
			3	No cracks appeared	
		1000 cycles of 3.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
			2	No cracks appeared	
			3	No cracks appeared	
3.3.8 3.3.8.2	Dynamic bridging over a crack - after heat weathering Temperature: 80 ± 2 °C for 28 days <u>Designation of coating system: M</u>	1000 cycles of 1.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
			2	No cracks appeared	
			3	No cracks appeared	
		1000 cycles of 2.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
			2	No cracks appeared	
			3	No cracks appeared	

Clause no.	Property tested	Units	Test results		Requirements of SI 4518
3.3.8 3.3.8.3	Dynamic bridging over a crack - after water immersion at $23 \pm 2^\circ\text{C}$ for 168 hours <u>Designation of coating system: M</u>	1000 cycles of 1.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
2			No cracks appeared		
3			No cracks appeared		
		1000 cycles of 2.0 mm	1	No cracks appeared	No cracks shall appear during or after the test.
2			No cracks appeared		
3			No cracks appeared		
3.3.9 3.3.9.1 (*)	Resistance to accelerated UV weathering – Elongation in tension at fracture (%)	%	404		> 200
3.3.9.2	Resistance to water immersion	–	The sheet did not crumble on contact.		The sheet shall not crumble on contact.
3.3.9.3	Low temperature flexibility	-10 °C	No cracks appeared during the test.		No cracks shall appear during or after the test.
		-25 °C	No cracks appeared during the test.		No requirement.
3.3.10 3.3.10.1 (*)	Resistance to heat weathering – Elongation in tension at fracture (%)	%	474		> 200
3.3.10.2	Resistance to water immersion	Temperature $23 \pm 2^\circ\text{C}$	The sheet did not crumble on contact.		The sheet shall not crumble on contact.
3.3.10.3	Low temperature flexibility	-5 °C	No cracks appeared during the test.		No cracks shall appear during or after the test.
		-25 °C	No cracks appeared during the test.		No requirement.
3.3.11	Adhesion to bitumen: - Bonding strength in axial tension - Formation of staining bubbles and change of appearance	MPa	Minimum: 0.53 Average: 0.70		Test results shall be reported

(*) The test specimens were prepared by the customer's representative.

Invoice: 229063

Tel-Aviv: 28/08/05

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