Test Report No. 8911227564/3
In accordance with Clause 12 of the Standard Law, 1953

Details of order

The test was ordered by	: Pazkar Ltd.
Address	: Industrial area Alon Tavor, P.O. Box 2030, Afula 18000, ISRAEL
Date of order.	: 02/12/09

Description of sample

Polyurethane based sealant, designated: Inopaz H20 – Two component sealant

Sampling details

The sample was taken on 02/12/09 by a representative of **the customer.**

Sample size: One can.

Nature of test

At the request of the customer, testing the properties in accordance with the program of the Pazkar Co. based on the test methods marked in SI 4518 (November 2001) "**Liquid applied, acrylic based flexible coating used in roof waterproofing**" for a coating system, designated M).

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 results

The test results are given on pages 2-3.

Note:

This report replaces Report no. 8911227564/2 dated 29/04/10 due to a change in the material composition by the customer's representative.

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

Name : Eng. Moshe Haim
Position : Head, Structures, Finishing and Sealing Materials Branch

10/06/10

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Clause no.	Property tested	Units	Test results	
3.2.1	Specific weight	kg/liter	1.19	
3.2.3	Weight content of nonvolatile material	%	64.5	
3.3.1	Elongation at maximum tensile force	%	Average: 145.1 Maximum: 146.6	
3.3.2	Maximum tensile strength	MPa	Average: 2.14 Maximum: 2.3	
	Elongation at fracture	%	Average: 207.9 Maximum: 225.4	
3.3.3	Water adsorption	%	Single: 8.4 - 2.6 Average: 9.9	
3.3.4	Resistance to water immersion	Visual	There were no signs of elongation.	
3.3.5	Watertightness after water immersion	0.5 atm. for 24 hours	Water did not pass through the specimen.	
3.3.6	Bonding strength in axial tension	MPa	Minimum: 0.91 Average: 1.34	
3.3.7	Low temperature flexibility	-10 °C	No cracks appeared.	
3.3.8 3.3.8.1	Dynamic bridging over a crack **- before weathering** after conditioning in air Designation of coating system: M	1,000 cycles of 1.0 mm	1	No cracks appeared
			2	No cracks appeared
			3	No cracks appeared
		1,000 cycles of 3.0 mm	1	No cracks appeared
			2	No cracks appeared
			3	No cracks appeared
3.3.8 3.3.8.2	Dynamic bridging over a crack **- after heat weathering** 80° ± 2 °C for 28 days Designation of coating system: M	1,000 cycles of 1.0 mm	1	No cracks appeared
			2	No cracks appeared
			3	No cracks appeared
		1,000 cycles of 2.0 mm	1	No cracks appeared
			2	No cracks appeared
			3	No cracks appeared

Test Report No. 8911227564/2

Clause no.	Property tested	Units	Test results	
3.3.8 3.3.8.3	Dynamic bridging over a crack **- after water immersion** temperature 23±2°C for 168 hours Designation of coating system: M	1,000 cycles of 1.0 mm	1	No cracks appeared
			2	No cracks appeared
			3	No cracks appeared
		1,000 cycles of 2.0 mm	1	No cracks appeared
			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 (%)	%	Average: 172.5 Maximum: 235.4	
3.3.9.2	Resistance to water immersion	–	The sheet did not crumble.	
3.3.9.3	Low temperature flexibility	-5 °C	No cracks appeared.	
3.3.10 3.3.10.1	Resistance to heat weathering – Elongation in tension at fracture (%)	%	Maximum: 148.3 Average: 148.2	
3.3.10.2	Resistance to water immersion	Temperature 23±2 °C	The sheet did not crumble.	
3.3.10.3	Low temperature flexibility	-5 °C	No cracks appeared.	
3.3.11	Adhesion to bitumen: - Bonding strength in axial tension - Formation of staining bubbles and change of appearance	MPa	Greater than 0.46 MPa Fracture average: 0.5 MPa Separation between bitumen and substrate	
A	Hardness test	Shore A	40 - 50	

Invoice/
Tel-Aviv: 10/06/10

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