Test Report No. 8811220512

Details of order

The test was ordered by	: Pazkar Ltd.
Address	: Industrial area Alon Tavor, Afula 18000 ISRAEL
Date of order.	: 16/11/08

Description of product

Sample of sealing material, called "Elastopaz".

Batch no: 272-161-088.

Test details

The sample was tested on 13/11/08. Selected by: **SII** representative

Sample size: 1 bucket weighing 18 kg.

Nature of test

To determine properties in accordance with the test program of Pazkar Ltd.

This report contains 4 pages and may be used only in full.

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

Test results

General:

The test program and test results are given on pages 2 - 4.

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

Name : Eng. Moshe Hayim
Position : Head, Construction, Finishing and Sealing Products Branch

05/01/09

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Test program

1. Thickness measurements (dry material) in accordance with the method given in SI 1430/3.

2. Tensile strength (in accordance with the method given in ASTM D 412) (specimen dimensions: 50 mm long, 6.5 mm wide, gauge length - 25 mm).

3. Elongation (in accordance with the method given in clause 2).

4. Tensile strength following heat exposure for 168 hours at a temperature of 70 °C (in accordance with the method given in clause 2).

5. Elongation following heat exposure for 168 hours at a temperature of 70 °C (in accordance with the method given in clause 2).

6. Tensile strength following immersion in water at a temperature of 70 °C for 168 hours (in accordance with the method given in clause 2).

7. Elongation following immersion in water at a temperature of 70 °C for 168 hours (in accordance with the method given in clause 2).

8. Crack bridging (in accordance with the method given in SI 1731), decrease in force of -25% max.

8.1 Crack bridging (in accordance with the method given in SI 1731), decrease in force of -35% max.

9 Recovery following elongation of 900% (elongation of 900% of a specimen of dimensions: 50 mm long, 10 mm wide and gauge length of 25 mm). The measurements were made 60 minutes after releasing the specimen.

10. Resistance to an elevated temperature of 85 °C in accordance with the method given in SI 1430/3.

11. Water penetration under pressure (in accordance with the method given in DIN 52123) 0.5 atm for 24 hours.

12. General absorption: after immersion in water at a temperature of 70 °C for 168 hours.

13. Volume recovery: after immersion in water at a temperature of 70 °C for 168 hours.

14. Density (in accordance with the method given in SI 1731).

15. Passage of water vapor (in accordance with the method given in SI 1731).

16. Temperature flexibility at a low temperature of -10 °C (in accordance with the method given in SI 1430/3).

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Test results

No.	Property tested	Test method	Units	Test results	Remarks
1	Thickness dimensions, dry (mm)	In accordance with the method given in SI 1430/3	mm	Average: 1.4	—
2 *	Tensile strength (max.)	In accordance with the method given in ASTM D 412	MPa	Single: 0.56 - 0.79 Average: 0.65	
3 *	Elongation (max.)	In accordance with the method given in ASTM D 412	%	Single: 1939 - 2423 Average: 2188	
4	Tensile strength (max.) (after heat exposure)	In accordance with the method given in ASTM D 412	MPa	Single: 1.0 - 1.55 Average: 1.27	
5	Elongation (max.) (after heat exposure)	In accordance with the method given in ASTM D 412	%	Single: 1507 - 2264 Average: 1904	
6	Tensile strength (max.) (after water immersion)	In accordance with the method given in ASTM D 412	MPa	Single: 0.55 - 0.64 Average: 0.60	
7	Elongation (max.) (after water immersion)	In accordance with the method given in ASTM D 412	%	Single: 2369 - 2448 Average: 2429	
8	Bridging cracks Elongation (decrease of max. force by -25 %)	In accordance with the method given in SI 1731	mm	Single: 40.5 – 84.1 Average: 62	
8.1	Bridging cracks Elongation (decrease of max. force by -35 %)	In accordance with the method given in SI 1721	mm	Single: 80.7 - 110 Average: 114	
9	Recovery after elongation of 900 %	- Initial length: 25 mm - Measured 60 minutes after releasing the specimen	%	87	—

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Test results - continued

No.	Property tested	Test method	Units	Test results	Remarks
10	High temperature resistance at 85 °C	In accordance with the method given in SI 1430/3	°C	- The material remained stable. - No signs of leakage were observed.	—
11	Water penetration under pressure	In accordance with the method given in DIN 52123	atm.	0.5 atm during 24 hours No penetration of water	
12	Absorption after 168 hours at a water temperature of 70 °C.	Size of specimens: approx. 15 × 15 cm.	%	Average: 8.9	—
13	Volume change after 168 hours at a water temperature of 70 °C.	Size of specimens: approx. 15 × 15 cm.	%	Average: 11.1	—
14.	Density	In accordance with the method given in SI 1731	Kg/l	1.1	--
15.	Passage of water vapor	In accordance with the method given in SI 1731	m	3.45	--
16	Flexibility at low temperature	SI 1430/3	-10 °C	No cracks appeared.	--

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Tel-Aviv: 05/01/09