

ILUZ BROTHERS
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Your ref.: Ms A Lepley
Our ref.:
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Tel.: 012 428-6010
Report No: 2538/2269E-A1/MT09
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Date: 2010-06-11

BITUMENOUS SHEETS FOR ROOF WATERPROOFING - FLEXIGUM FINAL REPORT

This report cancels and replaces report no.: 2538/2269E-A/MT09 dated 29 March 2009

1 SIGNIFICANCE OF THE RESULTS CONTAINED IN THIS REPORT

- 1.1 Refer to the print on the back of this page
- 1.2 The samples described were tested for the following characteristics:
- i. Determination of dimensional stability (EN 1107-1:1999),
 - ii. Mass per unit area (EN 1849-1:1999),
 - iii. Watertightness, (EN 1928:2000),
 - iv. Determination of tensile properties (EN 12311-1:1999),
 - v. Metal extractions (SANS 966-1:2006),
 - vi. Determination of visible defects (EN 1850-1:1999).
- 1.3 The Flexigum composite complies to all test requirements as tested for .
Refer to subclause 6.

2 SAMPLE

2.1 Description of sample

Sample of bitumen sheet marked "*Flexigum Composite*"

2.2 Date of receipt

20 August 2009.

2.3 Date Test Started

26 November 2009.

2.4 Date Test Completed

03 March 2010

3 Condition of sample

The sample was in suitable condition for testing purposes.

4 NAME OF LABORATORY

The Building and Construction Laboratory of SABS Commercial (Pty) Ltd.

5 EQUIPMENT INFORMATION

Equipment	Make	Range	Serial	Certificate Calibration No
Tensile Tester	Instron	0-1 kN	SABS 19545	09-2626
Scale	Mettler PE 6000	6000g	SABS 19920	1401 NRCS
Oven	Economy	30 to 110°C	L12990	2020.2288-2

6 RESULTS

Table1

Nature of test	Results		Maximum Requirements
6.1 Determination of dimensional Stability. 6.1.1 Flexigum	0,19%		N/A
5.2 Determination of thickness and mass per unit area. 6.2.1 Flexigum	Thickness	Mass per area	N/A
	3,6 mm	4,05kg/m ²	
6.3 Watertightness 6.3.1 Flexigum	No water penetrated through to the upper filter paper.		Water must not penetrate through to the filter paper

6.4 Determination of tensile properties(N/50mm)	Maximum Load (N)	Maximum displacement (%)	
6.4.1 Flexigum	15,6	34	N/A
6.5 Determination of visible defects 6.5.1 Flexigum	No blisters, cracks, holes or naked spot or any other noticeable defects were observed.		No blisters, cracks, holes or naked spots or any other noticeable defect are allowed.
6.6 Determination of metals 6.6.1 Flexigum Cadmium as Cd in µg/l Iron as Fe in µg/l Lead as Pb in µg/l Tin as Sn in µg/l Mercury as Hg in µg/l	<p><0,3 4 <1 <5 <0,1</p>		<p>10 100 50 100 5</p>

7 REMARKS

- 7.1 Flexigum composite should not be exposed to the sun.
- 7.2 This is a once off test and does not represent any consignment.
- 7.3 The client is not a SABS mark holder.

MANAGER
E Seeger.....
BUILDING, CONSTRUCTION AND PACKAGING



TEST OFFICER/S

N Mnisi.....
J Strobos.....

