



BEAVER TECHNOLOGY SERVICES PTY LIMITED

ABN 31 145 199 775  
19 Bearing Road Seven Hills NSW 2147 Australia  
P.O. Box 672 Seven Hills NSW 1730  
Phone (02) 8811 3500  
www.btstech.com.au

## Certificate of Test & Examination

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian Standards

**Certificate No.** BTS00410

**Date of Test:** 10/09/2014

**Customer:**

Dotmar Engineering Plastic Products  
Unit 1 / 25 Loyalty Road,  
North Rocks NSW 2151

**Order No.** 200-159171-0

**Internal Order No:** 7644

**Product Code:** N/A

**Quantity:** 6

**Description:** UNI Board 1200 x 1200 x 19mm

**Distinguishing Marks:** N/A

**Serial No.** N/A

**Proof Load Force:** 6.7kN

**Ultimate limit state load:** 10kN

**Weight used:** N/A

**Test Method:**

Sample 4 (Black - 18mm) – 500mm CO

The DOTMAR test sample shall be tested to the strength requirements of:

- AS 3996 – Appendix C - Load class A.

In this test a 240 x 240 x 25mm structural plywood foot shall be applied to the test piece with a downward vertical force at the centre of the test piece.

The Serviceability design load (6.7kN) shall be applied 5 times and hold for 5 seconds, achieving maximum deflection of CO/45 (11.11mm) and a permanent set of CO/100 (5.0mm).

The ultimate limit state load (10kN) shall be applied Once and hold for 30 seconds, achieving maximum deflection of CO/45 (11.11mm) and a permanent set of CO/100 (5.0mm).

Test sample shall be visually inspected for visible cracking, collapse or other similar forms of structural failure.

Results: Please see table 1 for test results.



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Visual inspection:

No Visual signs of visible cracking, collapse or other similar forms of structural failure.

Conclusion:

The sample passed the maximum deflection limit tests, and the maximum permanent set tests.

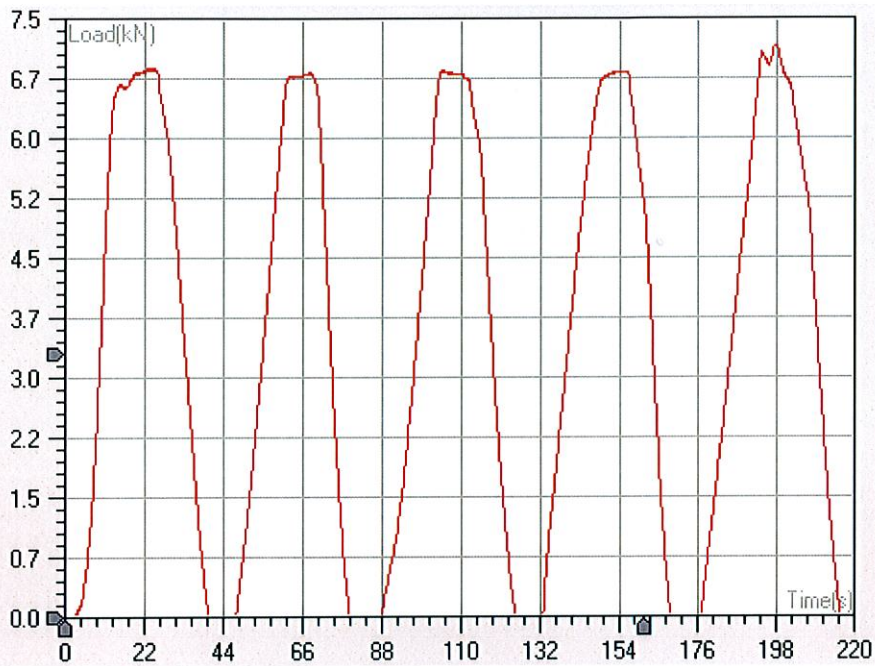
Notes:

Tests were conducted at an ambient temperature of 19°C

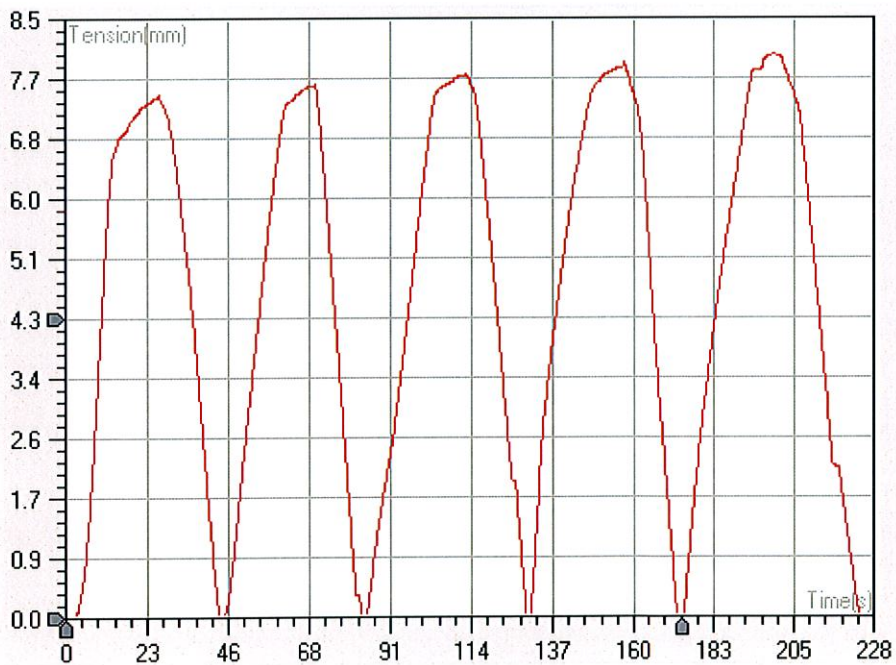
Table 1

<b>Test</b>	<b>Load</b>	<b>Max. Deflection</b>	<b>Permanent set</b>
1	6.7kN	7.4mm	0 mm
2	6.7kN	7.5mm	0 mm
3	6.7kN	7.7mm	0 mm
4	6.7kN	7.8mm	0 mm
5	6.7kN	8.0mm	0 mm
6	10kN	11.1mm	0 mm

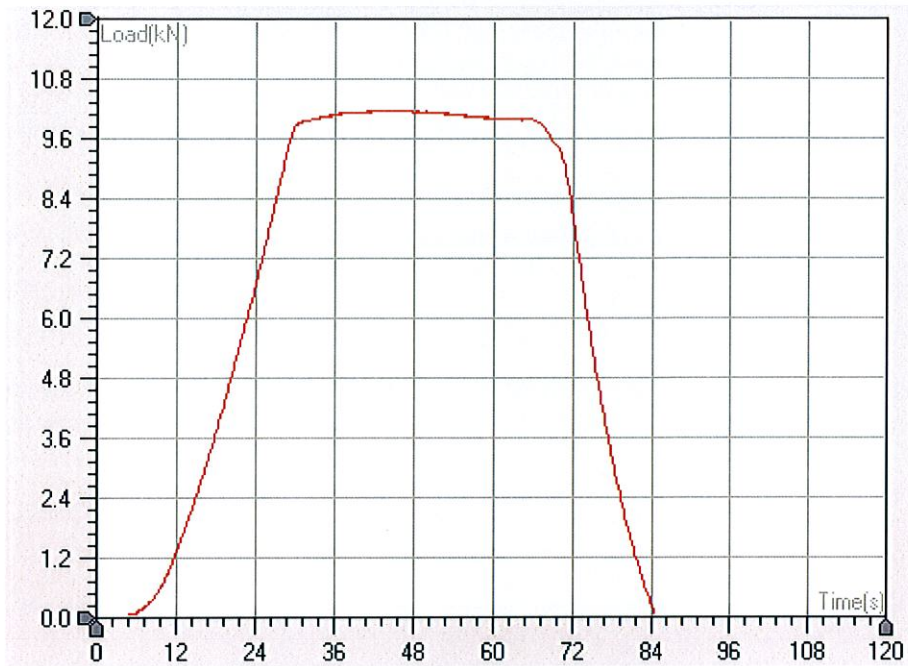
Sample 4 Test 1-5: Force over time – 6.7kN hold for 5 seconds



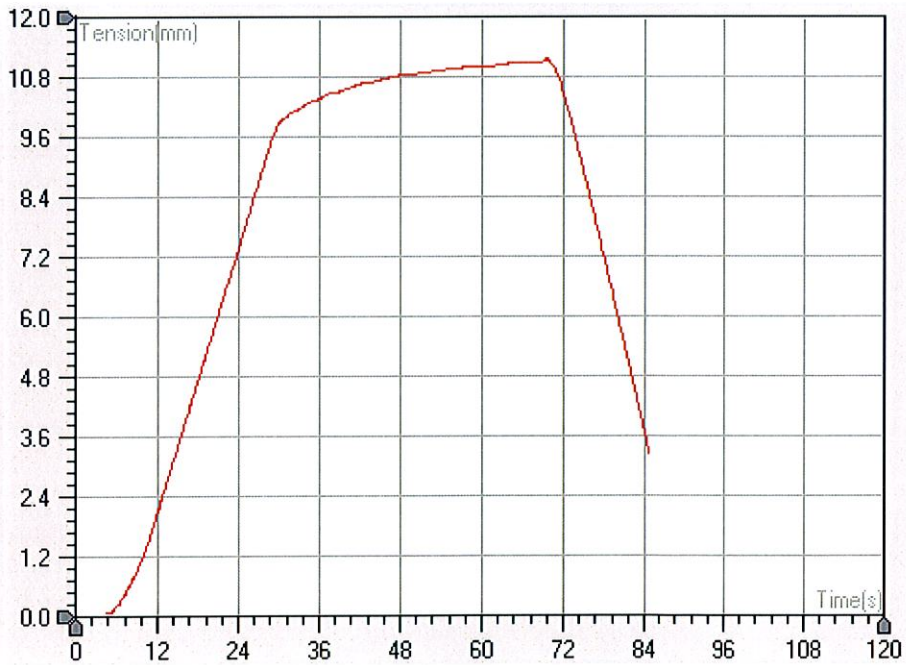
Sample 4 Test 1-5: Displacement over time – 6.7kN hold for 5 seconds



Sample 4 Test 6: Force over time – 10kN hold for 30 seconds



Sample 4 Test 6: Displacement over time – 10kN hold for 30 seconds



**Comments:** Test Satisfactory

**Date of Issue:** 10/09/2014

**Approved Signatory :** \_\_\_\_\_



Michael Mann