

LOAD TEST REPORT

Customer	Eco Block PTY LTD
Customer Address	34 Gracemere St, Newmarket QLD 4051
Requested By	Tony Dal Bon
Purchase Order	-
Issuing Laboratory	MechTest - Brisbane Laboratory
Report Number	RB19-0160-02
Job Description	Pull out testing of Qty 20 screws from supplied Eco Block panel
Identification	SB19-0081-02-01 to 10 – Vertical Pull-Out (Tensile) SB19-0081-02-11 to 20 – Horizontal Pull-Out (Shear)
Material Specification	Not specified
Test Date	08 April 2019
Test Specification	Client requirements
Test Method	ASTM D1761-12
Test Technician	Shane Lyons
Test Results	Refer to Results

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Form ID: AMTS-06-01-01 (R0)

All samples will be discarded after 4 weeks, unless requested otherwise

**Authorised
Signatory**



Michael Mansfield

8 April 2019

LOAD TEST RESULTS

Loading device	300kN UTM
Specimen details	Eco Block foam panel inserts
Load Rate	5 mm / min

Table 1 Pull-Out Test (Tensile) Results

Sample ID	Max. Withdrawal Load [kN]	Max. Withdrawal Load [kg]	Max. Withdrawal Load [lbs]	Comments
01	1.32	135	297	Tested at the Rib
02	1.14	116	256	Tested away from the Rib
03	1.08	110	243	Tested away from the Rib
04	1.14	116	256	Tested at the Rib
05	1.14	116	256	Tested away from the Rib
06	1.08	110	243	Tested away from the Rib
07	1.08	110	243	Tested at the Rib
08	1.14	116	256	Tested at the Rib
09	1.08	110	243	Tested away from the Rib
10	1.26	128	283	Tested at the Rib
Average	1.15	117	258	-
St. Dev.	0.08	7.95	17.5	-

Table 2 Pull-Out Test (Shear) Results

Sample ID	Max. Lateral Load [kN]	Max. Lateral Load [kg]	Max. Lateral Load [lbs]	Comments
11	1.5	153	337	Tested at the Rib
12	1.98	202	445	Tested away from the Rib
13	1.74	177	391	Tested away from the Rib
14	1.68	171	378	Tested at the Rib
15	1.14	116	256	Tested away from the Rib
16	1.14	116	256	Tested away from the Rib
17	1.26	128	283	Tested away from the Rib
18	1.32	135	297	Tested at the Rib
19	1.38	141	310	Tested away from the Rib
20	1.56	159	351	Tested at the Rib
Average	1.47	150	330	-
St. Dev.	0.26	26.56	58.6	-

Comments Nil.

Notes Refer to Figures 1 to 2 for photographs of the testing.

PHOTOGRAPHS



Figure 1: General photograph of Pull-Out Test (Tensile) test



Figure 2: General photograph of Pull-Out Test (Shear) test