



AUSTRALIAN NATIONAL TESTING
LABORATORIES PTY. LTD.

09/09/2013

To Freedom Retractable Screens, Unit 3/20 Junction Road, Burleigh Heads, QLD
4220, Australia.

Retractable Screen Weight Tests.

Product Tested: Infinity Zipline Retractable Fly Screen 1 x 1 metre mounted to timber sub
frame, 184 x 0.13mm Phifer standard patio mesh.



Timber load spreader board with starter weights.



Weight was gradually applied evenly across surface with no effect at 250kg.

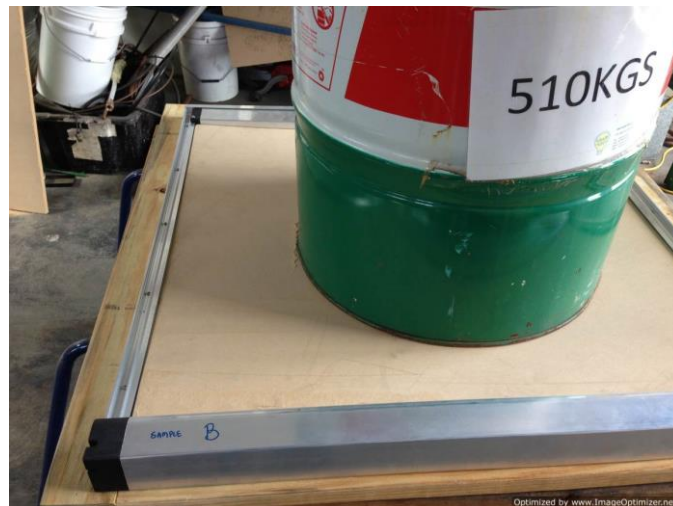
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web address: www.antl.com.au



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Sample A under test.



Sample B under test.



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Sample C under test.



Maximum stretch of material with full load applied of 590kg.

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Load Tests

Load kg	Sample A	Sample B	Sample C
50	PASS	PASS	PASS
100	PASS	PASS	PASS
150	PASS	PASS	PASS
200	PASS	PASS	PASS
250	PASS	PASS	PASS
300	PASS	PASS	PASS
350	PASS	PASS	PASS
400	PASS	PASS	PASS
450	PASS	PASS	PASS
510	*FAIL	PASS	PASS
590	-	PASS	PASS

Note: Failure at 510 kg of the ratcheting mechanism, the material was still intact.

The load was applied in stages by evenly spreading weights across the timber surface, and observations made after each additional load was added. The size of the tested area was 895mm x 945mm giving a contact surface area of 0.845m².

Signature

Jeffrey I. Profke

CEO of ANTL



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Static Pressure				Wind Speed		
kgf/m ²	pA	mm H ₂ o	psf	m/s	kph	mph
5	50	5.1	1.04	9.13	32.9	20.4
7.5	75	7.6	1.57	11.18	40.2	25
10	100	10.2	2.09	12.91	46.5	28.9
15	150	15.3	3.13	15.81	56.9	35.4
20	200	20.4	4.18	18.26	65.7	40.8
25	250	25.5	5.22	20.41	73.5	45.7
30	300	30.6	6.27	22.36	80.5	50
40	400	40.8	8.35	25.82	93	57.8
45	450	45.9	9.4	27.39	98.6	61.3
50	500	51	10.44	28.87	103.9	64.6
60	600	61.2	12.53	31.62	113.8	70.7
70	700	71.4	14.62	34.16	123	76.4
80	800	81.6	16.71	36.51	131.5	81.7
90	900	91.8	18.8	38.73	139.4	86.6
100	1000	102	20.89	40.82	147	91.3
110	1100	112.2	22.97	42.82	154.1	95.8
120	1200	122.4	25.06	44.72	161	100
130	1300	132.6	27.15	46.55	167.6	104.1
140	1400	142.8	29.24	48.3	173.9	108.1
150	1500	153	31.33	50	180	111.8
160	1600	163.1	33.42	51.64	185.9	115.5
170	1700	173.3	35.51	53.23	191.6	119.1
180	1800	183.5	37.59	54.77	197.2	122.5
190	1900	193.7	39.68	56.27	202.6	125.9
200	2000	203.9	41.77	57.74	207.8	129.1
210	2100	214.1	43.86	59.16	213	132.3
220	2200	224.3	45.95	60.55	218	135.5
230	2300	234.5	48.04	61.91	222.9	138.5
240	2400	244.7	50.13	63.25	227.7	141.5
250	2500	254.9	52.21	64.55	232.4	144.4
260	2600	265.1	54.3	65.83	237	147.3
270	2700	275.3	56.39	67.08	241.5	150.1
280	2800	285.5	58.48	68.31	245.9	152.8
290	2900	295.7	60.57	69.52	250.3	155.5
300	3000	305.9	62.66	70.71	254.6	158.2
350	3500	356.9	73.1	76.38	275	170.8
400	4000	407.9	83.54	81.65	293.9	182.6
450	4500	458.9	93.98	86.6	311.8	193.7
500	5000	509.8	104.43	91.29	328.6	204.2
550	5500	560.8	114.87	95.74	344.7	214.2
600	6000	611.8	125.31	100	360	223.7
650	6500	662.8	135.76	104.08		

<http://www.wanz.co.nz/ConversionChart>

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