



ENGINEERING TECHNICAL BULLETIN

TEST PROTOCOL:

ASTM E 1592-05 Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference

TEST LOCATION:

Force Engineering & Testing, 19530 Ramblewood Dr., Humble, TX 77338

PRODUCT:

Profile: IMP-100, IMP-200, IMP-300, IMP-400, IMP-500

Width: 42" or narrower

Thickness: 2" minimum

Gauge: 26-ga. or heavier (interior and exterior facing)

Finish: Embossed or Smooth

NEGATIVE LOAD TABLE:

Panel Span (ft.)	Ultimate Load (psf)	Allowable Load (psf)
4.00	98.84	49.42
4.25	96.24	48.12
4.50	93.64	46.82
4.75	91.04	45.52
5.00	88.44	44.22
5.25	85.83	42.92
5.50	83.23	41.62
5.75	80.63	40.32
6.00	78.03	39.02
6.25	75.43	37.71
6.50	72.83	36.41
6.75	70.23	35.11
7.00	67.63	33.81
7.25	65.02	32.51
7.50	62.42	31.21
7.75	59.82	29.91
8.00	57.22	28.61
8.25	54.62	27.31
8.50	52.02	26.01

NOTES:

- 1) Test report number: 438-0046T-12A, B
- 2) Independent tests were performed with supports spaced at 5'-0" and 7'-6" on center (highlighted).
- 3) *Allowable Load* utilizes a 2.00 factor of safety.
- 4) Panel fastening must be designed separately.
- 5) This material is subject to change without notice. Please reference www.englertinc.com for the most current data.

ETB-0001

FEBRUARY 22, 2012



ENGINEERING TECHNICAL BULLETIN

TEST PROTOCOL:

ASTM E 1592-01 Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference

TEST LOCATION:

Force Engineering & Testing, 19530 Ramblewood Dr., Humble, TX 77338

PRODUCT:

Profile: IMP-100, IMP-200, IMP-300, IMP-400, IMP-500

Width: 42" or narrower

Thickness: 2" minimum

Gauge: 26-ga. or heavier (interior and exterior facing)

Finish: Embossed or Smooth

POSITIVE LOAD TABLE:

Panel Span (ft.)	Ultimate Load (psf)	Allowable Load (psf)
4.00	235.98	117.99
4.25	227.66	113.83
4.50	219.34	109.67
4.75	211.02	105.51
5.00	202.70	101.35
5.25	194.38	97.19
5.50	186.06	93.03
5.75	177.74	88.87
6.00	169.42	84.71
6.25	161.10	80.55
6.50	152.78	76.39
6.75	144.46	72.23
7.00	136.14	68.07
7.25	127.82	63.91
7.50	119.50	59.75
7.75	111.18	55.59
8.00	102.86	51.43
8.25	94.54	47.27
8.50	86.22	43.11

NOTES:

- 1) Test report number: 438-0046T-12C, D
- 2) Independent tests were performed with supports spaced at 5'-0" and 7'-6" on center (highlighted).
- 3) *Allowable Load* utilizes a 2.00 factor of safety.
- 4) Panel fastening must be designed separately. Minimum bearing surface dimension = 1 5/8"
- 5) This material is subject to change without notice. Please reference www.englertinc.com for the most current data.

ETB-0002

MARCH 9, 2012
