ICC Testing and Evaluation Results

The product test results, together with the applicable requirements of ICC-ES AC 174 are listed below in Table 1. A full set of data may be requested.

Property	Test Result				Requirement	Pass/Fail
Baseline Flexural Tests						
	MOR (psi)	MOE (psi)				
1"x5 1/2"	1825	88182			N/A	*Note 1
1.5"x 5 1/2"	1458	90799				
Mechanical Fasteners (safety factor of 3 used to determine allowable capacity)						
	Ult. Load	Allowable Capacity				
	(lbf)	(lbf)			*Note 1	N/A
Withdrawal	477	159				
Pull Through	1586	529				
Lateral Resistance	736	245				
Flame Spread						
1.5"x 5 1/2"	Flame Spread Index = 60				Flame Spread Index < 200	Pass
Duration of Load						
1"x5 1/2"	No failure of tertiary creep evident				Zero failure or evidence of tertiary creep	Pass
1.5"x 5 1/2"	No failure of tertiary creep evident					Pass
Temperature and Moisture Effects						
	MOR (psi)	Percent Change	MOE (psi)	Percent Change		
1"x5 1/2" Baseline	1825	N/A	88182	N/A		
1"x5 1/2" Cold Temp Effect	3742	105%	228066	159%	*Note 3	N/A
1"x5 1/2" Elev. Temp Effect	1215	-33%	56531	-36%		N/A
1"x5 1/2" Moisture Effect	1791	-2%	94868	8%		N/A
Ultraviolet (UV) Resistance						
	MOR (psi)	Percent Change	MOE (psi)	Percent Change		
1"x5 1/2" ripped to 1"x1"	1645	N/A	96851	N/A		
1"x5 1/2" ripped to 1"x1"	1640	0%	93191	0%	*Note 3	N/A
Freeze - Thaw Resistance						
	MOR (psi)	Percent Change	MOE (psi)	Percent Change		
1"x5 1/2" Baseine	1931	N/A	104286	N/A		
1"x5 1/2" Freeze Thaw Effect	1596	-17%	82996	-20%	*Note 3	N/A

Notes: 1) No pass/fail requirement - results are reported. 2) Load and span adjusted from actual calculated load of 92psf at 24" test span. The span was multiplied by the adjustment factor of 92/100 to assume that the reduction of span by that factor will sustain a load of 100psf. 3) Environmental effects are used to calculate adjustment factors for end-use. There are no pass/fail requirements since the results are factored into the performance ratings of the product.