

Genesis Panel Systems

Brick Panel Test Results

Test Date	Test Standard	Report #	Description of Test	Test Results	Classification	Testing Service
12/19/2012	ASTM E84-12b	Intertek 100991844SAT-001A	Test for Surface Burning Characteristics of Building Materials (UL723, UBC 8-1, NFPA 255)	Flame Spread Index - 20 Smoke Developed Index - 185	Class 1 or A	Intertek Testing Services NA Inc. 16015 Shady Falls Road Elmendorf, Texas 78112 972-202-8800 main 972-202-8801 fax www.intertek.com
12/13/2012	ASTM E 330-02	CCLI 12-213	Uniform Load Performance Testing (10 seconds)			S-United, Inc. Dba Construction Consulting Laboratory International 1601 Luna Road Carrollton, Texas 75006 972-242-0556 main 972-245-6047 fax www.sunited.com
			ASTM E 283 Pos 90.0 Psf / Neg 90.0 Psf	No Damage		
			ASTM E 283 Pos 200.0 Psf / Neg 80.0 Psf	No Damage		
			ASTM E 283 Pos 200.0 Psf	No Damage		
			ASTM E 283 Neg 110.0 Psf	No Damage		
			ASTM E 283 Neg 130.0 Psf (fastener change)	No Damage		
			ASTM E 283 Neg 183.0 Psf (fastener change)	Panels separated from wood studs		
Notes:						
	Flame Spread					
		Authorities having jurisdiction usually refer to these categories:	Flame-Spread Index	Smoke Development		
		Class 1 or A	0 - 25	450 Maximum		
		Class 2 or B	26 - 75	450 Maximum		
		Class 3 or C	76 - 200	450 Maximum		
	Wind Load					
		Psf = pounds (pressure) / square foot				
		Test Values	Hurricane Reference	Tornado Reference		
		80 Psf = 176.8 mph wind speed	Category 1 Hurricane: 74 - 95 mph sustained	F0 - Gale Tornado: 40 - 72 mph		
		90 Psf = 187.5 mph wind speed	Category 2 Hurricane: 96 - 110 mph sustained	F1 - Moderate Tornado: 73 - 112 mph		
		110 Psf = 207.3 mph wind speed	Category 3 Hurricane: 111 - 129 mph sustained	F2 - Significant Tornado: 113 - 157 mph		
		130 Psf = 225.3 mph wind speed	Category 4 Hurricane: 130 - 156 mph sustained	F3 - Severe Tornado: 158 - 206 mph		
		200 Psf = 279.5 mph wind speed	Category 5 Hurricane: 157+ mph sustained	F4 - Devastating Tornado: 207 - 260 mph		
				F5 - Incredible Tornado: 261 - 318 mph		
		Pos - Wind on panel surface over supports		F6 - Inconceivable Tornado: 319 - 379 mph		
		Neg - Wind on panel back through supports				