

Code Compliance Research Report CCRR-0201

TABLE 1 - EVERLAST® COMPOSITE SIDING ALLOWABLE DESIGN PRESSURES⁽¹⁾

Product	Profile		Fastener		Substrate	Allowable Design Pressure ⁽²⁾	MPH
	Exposure Width	Nominal Thickness	Description	Spacing			
Horizontal Lap Siding	6.875"	0.225"	#10 by 2-1/2" stainless steel flat head screws	16" O/C	Every screw penetrating into minimum 7/16" OSB sheathing & hitting studs when possible (Minimum $G \geq 0.42$)	101.7 psf	200
			2in-long roofing nail, 1/8" smooth shank diameter, 7/16" diameter head.	16" O/C	Every nail penetrating into minimum 7/16" OSB sheathing & hitting studs when possible (Minimum $G \geq 0.42$)	58.8 psf	154
	4.5"	0.215"	#9 by 2-1/2" stainless steel flat head screws	16" O/C	Every screw penetrating into stud (Minimum $G \geq 0.42$)	98 psf	198
			2in-long roofing nail, 1/8" smooth shank diameter, 7/16" diameter head.	16" O/C	Every nail penetrating into stud (Minimum $G \geq 0.42$)	77 psf	175
Vertical Board & Batten Siding	11"	0.325"	#8 by 1-5/8" stainless steel flat head screws	7.5" O/C	Every screw penetrating into 1/2" wood sheathing (Minimum $G \geq 0.50$)	80 psf	180

⁽¹⁾ A pressure equalization factor (PEF) was not applied to reduce the required test pressure.

⁽²⁾ Allowable loads are applicable to wind design pressure derived from allowable **stress** design (also known as nominal) wind speed (V_{asd}) per IBS Section 1609.3.1.

⁽³⁾ Wood studs are SPF or other wood with a specific gravity (G) of 0.42 or greater.