



Boise Cascade®
ENGINEERED WOOD PRODUCTS

BOISE CASCADE VLT

Engineered Wood Panels

A Versatile Mass Timber Solution

Get strong, durable results with Boise Cascade® VLT panels. Advanced veneer technology and tight manufacturing tolerances create dependable quality and performance for floor, roof and wall applications. With a wide variety of widths and lengths available, they provide the design flexibility and reliability to support the needs of mass timber projects.

Boise Cascade VLT Advantages

- High strength-to-weight ratio provides the structural performance needed to efficiently handle long spans and high loads
- Manufactured for consistency from layered wood veneers, VLT offers uniform strength, stiffness, and predictable jobsite installation
- Veneer-based production maximizes fiber utilization, reducing waste without sacrificing performance
- Built for floors, roofs, and walls, VLT panels have the design versatility to support a wide range of building systems and layouts
- Sustainable materials with optimized fiber usage allow for the highest amount of sequestered carbon

Available Sizes

- **Thicknesses:** 2 1/8" - 12 3/4"
- **Lengths:** Up to 66'
- **Widths:** 4'

THE BOISE CASCADE DIFFERENCE

- Full line of EWP solutions for single-family, multi-family, mass timber and commercial projects
- Reliable nationwide distribution network
- More than 60 years of proven performance
- Peace of mind with our limited lifetime warranty
- EWP product support from knowledgeable engineers



Boise Cascade VLT 1.5E Panel ASD Reference Design Values

VLT Panel Thickness	Weight [lb/ft ²]	Major Strength Direction				Minor Strength Direction				Both Directions	
		Bending Moment (F _b S)	Bending Stiffness (EI _{eff})	Shear Rigidity (GA _{eff})	Horizontal Shear (V _s)	Bending Moment (F _b S)	Bending Stiffness (EI _{eff})	Shear Rigidity (GA _{eff})	Horizontal Shear (V _s)	In-Plane Shear	
		[lb _r *ft/ft]	[x10 ⁶ lb _r *in ² /ft]	[x10 ⁶ lb _r /ft]	[lb _r /ft]	[lb _r *ft/ft]	[x10 ⁶ lb _r *in ² /ft]	[x10 ⁶ lb _r /ft]	[lb _r /ft]	[lb _r /in ²]	[lb _r /ft]
2 1/8" (2.125")	6.0	1,150	14	0.74	1,275	125	1.0	0.21	35	225	5,750
3 3/16" (3.188")	9.0	2,600	48	1.10	1,900	285	2.0	0.21	385	225	8,600
4 1/4" (4.25")	12.0	4,625	115	1.47	2,525	505	5.0	0.21	515	225	11,475
5 5/16" (5.313")	15.1	7,225	224	1.84	3,150	505	5.0	0.21	645	225	14,350
6 3/8" (6.375")	18.1	10,225	380	2.58	3,775	505	5.0	0.21	1,050	225	17,225
7 7/16" (7.438")	21.1	13,925	603	3.01	4,425	505	5.0	0.21	1,050	225	20,075
8 1/2" (8.50")	24.1	17,975	890	3.75	5,050	505	5.0	0.21	1,050	225	22,950
9 9/16" (9.563")	27.1	22,775	1,268	4.22	5,675	505	5.0	0.21	1,050	225	25,825
10 5/8" (10.625")	30.1	28,100	1,739	4.69	6,300	505	5.0	0.21	1,050	225	28,700
11 11/16" (11.688")	33.1	34,000	2,315	5.16	6,950	505	5.0	0.21	1,050	225	31,550
12 3/4" (12.75")	36.1	40,475	3,005	5.63	7,575	505	5.0	0.21	1,050	225	34,425



With quality products and unsurpassed customer service, Boise Cascade helps you build better structures

Boise Cascade EWP is here to help with your next multifamily or light commercial project. For more information go to bc.com/ewp/ or call our support center at **800-232-0788**.