



LISTING INFORMATION OF
**KLH Massivholz GmbH – Massivholzplatten (solid wood
slabs) CLT**
SPEC ID: 36204

KLH Massivholz GmbH
Gewerbstraße 4
Teufenbach-Katsch A-8842
Austria

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LISTING INFORMATION

KLH-Massivholzplatten (solid wood slabs) cross laminated timber (CLT) is a wood structural building element for walls, floors (ceilings) and roofs. The CLT panel consists of 3 to 8 layers of Austrian Spruce lumber boards stacked crosswise (layers at 90°) and glued on their wide faces. The CLT panel is offered in a maximum length of 54 ft 1-5/8 in. (16.5 m); widths of 7 ft 10-½ in. (2.40m), 8 ft 2-7/16 in. (2.50m), 8 ft 11-½ in. (2.73m) and 9 ft 8-5/32 in. (2.95 m); maximum thickness of 1 ft 17/32 in. (0.32 m).

MATERIAL RATINGS

Test Standard	Test Type	Rating
ANSI/APA PRG 320	Performance Rated CLT	CV3 – Custom Layup Combinations

For Use in the U.S.

Grade	Major Strength Direction (psi)						Minor Strength Direction (psi)					
	F _{b,0}	E ₀ (10 ⁶)	F _{t,0}	F _{c,0}	F _{v,0}	F _{s,0}	F _{b,90}	E ₉₀ (10 ⁶)	F _{t,90}	F _{c,90}	F _{v,90}	F _{s,90}
CV3M1	975	1.6	550	1,450	175	55	975	1.6	550	1,450	175	55

Tabulated values are allowable design values and not permitted to be increased for the lumber size adjustment factor in accordance with the NDS. The design values shall be used in conjunction with the section properties provided by KLH based on the actual layup used in manufacturing the CLT panel.

For Use in Canada

Grade	Major Strength Direction (MPa)						Minor Strength Direction (MPa)					
	F _{b,0}	E ₀	F _{t,0}	F _{c,0}	F _{v,0}	F _{s,0}	F _{b,90}	E ₉₀	F _{t,90}	F _{c,90}	F _{v,90}	F _{s,90}
CV3M1	10.8	11,000	5.5	15.0	1.8	0.60	10.8	11,000	5.5	15.0	1.8	0.60

Tabulated values are Limit States design values and not permitted to be increased for the lumber size adjustment factor in accordance with the CSA O86. The design values shall be used in conjunction with the section properties provided by KLH based on the actual layup used in manufacturing the CLT panel.

Attribute	Value
Criteria	ANSI/APA PRG 320 (2012) Ed. 2017
Criteria	ANSI/APA PRG 320:2018
CSI Code	06 17 00 Shop-Fabricated Structural Wood
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	BUILDING PANELS
Report Number	G102232156, G103136174, G103855227, G104162725
Spec ID	36204
Verification Testing	No