

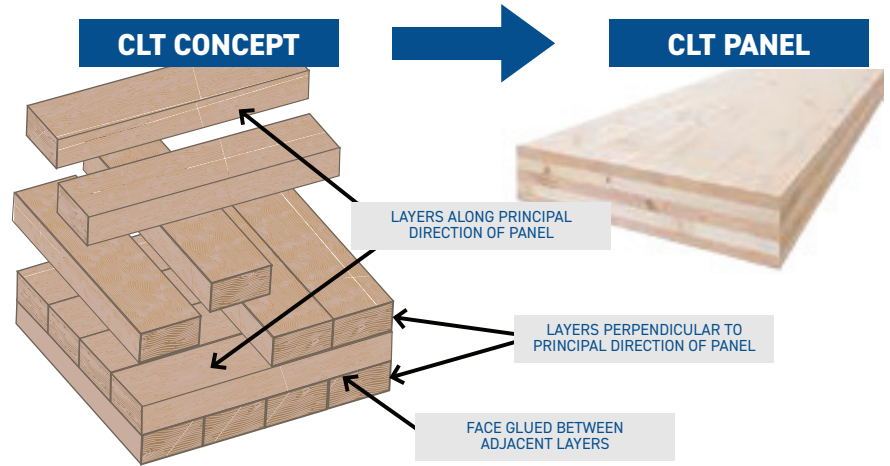


**SPARTAN
MAT**

(888) 543-6287
Sales@SpartanComposites.com

CLT: CROSS LAMINATED TIMBER

Exceptional Strength



SIZES

3-ply: 8x14



8x16
8x28
8x20

5-ply: 8x14



8x16
8x28
8x20

5-ply: 8x14

4x16
4x28
4x20

7-ply: 4x14



4x16
4x28
4x20

Benefits of CLT mats/Panels

Cross Laminated Timber is a type of “Mass Timber” or “Engineered Wood”. CLT panels are layered lumber panels, each layer perpendicular to the adjacent layer, and glued into place. The benefits of this:

- ✓ Exceptional Strength
- ✓ Dimensional Stability
- ✓ Rigidity
- ✓ Design Flexibility
- ✓ Environmentally Friendly
- ✓ Lightweight
- ✓ Can be used as an alternative to concrete, masonry, and steel
- ✓ Panels are manufactured off-site which reduces time of on-site construction
- ✓ Cost Effective
- ✓ Well-suited to floors, walls, and roofs
- ✓ Energy performance/savings

Spartan Mat, llc
With over 89 locations, we're closer than you think!
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SPECIFICATIONS

Lumber Species:
Southern Yellow Pine

Grade of Lumber:
Parallel Layers:
SPIB #2 & better
Perpendicular Layers:
SPIB #3 & better

Adhesive:
PUR
Henkel Loctite UR 5151
IDH number 2237454

Manufacture Standard:
ANSI/APA PRG 320 for CLT
products

Pressure range:
min 40 psi / max 80 psi



CLT GRADE V3 VALUES	fb,o	Eo	ft,o	fc,o	fv,o	fs,o
Major Strength Direction	2,045	1.6	1,155	2,755	550	180
Minor Strength Direction	1,205	1.4	680	1,565	550	180

PLY STRENGTH MAJOR VALUES	fbSeff,o	Eleff,o	GAeff,o
3 Ply	2,270	108	0.53
5 Ply	5,200	415	1.1
7 Ply	9,200	1,027	1.6

PLY STRENGTH MINOR VALUES	fbSeff,o	Eleff,o	GAeff,o
3 Ply	180	3.6	0.59
5 Ply	1,570	95	1.2
7 Ply	3,575	360	1.8



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