

TRUS JOIST® PRODUCT TECHNICAL INFORMER

SOLID SUPPORT with Parallam® PSL

Eastern 2.0E Parallam® PSL

Parallam® PSL is our strongest product. Offered in - 3.5", 5.25", 7" wide, up to 18" deep

Parallam® PSL beams of the same size (or larger) can be substituted for Microllam® LVL

Example: 3 ply 14" Microllam® LVL can be converted to 5.25" x 14" Parallam® PSL ***no analysis needed**

Property Comparison of Beam Material

Modulus of Elasticity 10 ⁶ (psi)	F _b Flexural Stress (psi)	F _t Tension Stress (psi)	F _{c⊥} Compression Perp. to Grain (psi)	F _c Compression Parallel to Grain (psi)	F _v Horizontal Shear Parallel to Grain (psi)	SG Equivalent Specific Gravity
Microllam® LVL						
2.0	2,600	1,555	750	2,510	285	0.5
Parallam® PSL						
2.0	2,900	2,025	750	2,900	290	0.5

See [Trus Joist® Beam, Header and Column Specifier's Guide TJ-9000](#) for additional info

*Note: Some top flange hangers have higher capacity with LVL and should be verified

PARALLAM® PSL beam advantages:

- Solid sections mean no ply-to-ply fasteners, which are often installed incorrectly or overlooked. Using solid sections will reduce the cost of fasteners and labor while eliminating uncertainty.
- Solid section = better lateral stability
This means Parallam® PSL can often span farther and requires less bracing
- Visually appealing in exposed applications
- Less prone to cupping
- Design of large holes possible using ForteWEB® software

Resources:

[Eastern Parallam® PSL Overview TJ-7003](#)

[Eastern Parallam® PSL Frequently Asked Questions TB-609](#)

[Can I use 2.0E Parallam® PSL and 2.0E Microllam® LVL mixed together as a single beam?](#)