



Georgia-Pacific

Engineered Lumber



Georgia-Pacific GP Lam[®] LVL with FiberGuard[®] coating offers protection from damaging moisture that causes splits, cupping and warping.



1.5E GP Lam[®] Laminated Veneer Lumber

Features and Benefits

- Stronger shear and bearing stress properties than solid-sawn lumber
Great for low stress applications such as window and door headers
- Available in two thicknesses
3½" one piece member helps reduce installation time
1¾" member for versatility
- Higher strength-to-weight ratio than solid sawn lumber
- Consistent LVL manufacturing helps resist bowing, shrinking, twisting and warping for fewer callbacks
- FiberGuard[®] coating with UV inhibitors offers jobsite protection from moisture
- Readily available and can be mixed on truckload orders with 2.0E GP Lam
- Lifetime limited warranty*

Specifications

Available Sizes: 1¾" x 9¼", 9½", 11¼", 11⅞", 14", 16"

3½" x 4⅝", 5½", 7¼", 9¼", 9½", 11¼", 11⅞", 14", 16"

continued on reverse

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BlueLinx

4300 Wildwood Parkway
Atlanta, GA 30339

1-888-502-BLUE
www.BlueLinxCo.com



1.5E GP Lam[®] Beam and Header Design Properties

Thickness	Depth	EI (10 ⁶ inch ² lbs)	Allowable Moment (ft-lbs)	Allowable Shear (lbs)	Weight (lbs/ft)
1 3/4"	9 1/4"	173	4870	3076	4.2
	9 1/2"	188	5116	3159	4.3
	11 1/4"	311	6990	3741	5.1
	11 7/8"	366	7724	3948	5.3
	14"	600	10468	4655	6.3
	16"	896	13394	5320	7.2
3 1/2"	4 5/8"	43	2709	3076	4.2
	5 1/2"	73	3731	3658	4.9
	7 1/4"	167	6212	4821	6.5
	9 1/4"	346	9741	6151	8.3
	9 1/2"	375	10232	6318	8.5
	11 1/4"	623	13981	7481	10.1
	11 7/8"	733	15448	7897	10.7
	14"	1201	20935	9310	12.6
	16"	1792	26788	10640	14.4

1. Table assumes lateral support at bearing points and continuous lateral support along compression edge of beam.
2. 1 3/4" x 16" beam must only be used in multiple-piece members.
3. Allowable moment and shear are based on a load duration factor of 100% and may be increased for other durations in accordance with ANSI/AF&PA NDS.
4. Weight shown is for dead load calculations. For shipping weights contact BlueLinx.

1.5E GP Lam[®] Allowable Design Stresses⁽¹⁾

Modulus of Elasticity	$E = 1.5 \times 10^6 \text{ psi}^{(2)}$
Shear Modulus of Elasticity	$G = 93,750 \text{ psi}^{(2)}$
Flexural Stress (joist)	$F_b = 2250 \text{ psi}^{(3)}$
Horizontal Shear (joist)	$F_v = 285 \text{ psi}$
Compression Perpendicular to Grain (joist)	$F_{cI} = 750 \text{ psi}^{(2)}$
Compression Parallel to Grain	$F_{cII} = 2200 \text{ psi}$
Equivalent Specific Gravity	$SG = 0.43$

1. Allowable design stresses apply to depths as small as 3 1/2" ripped from any depth of beam.
2. No increase is allowed to E, G, or F_{cI} for duration of load.
3. For depths (d) other than 12", multiply F_b by $(12/d)^{1/6.5}$

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*See manufacturer's warranty for terms, conditions and limitations.
For a copy of the manufacturer's warranty visit www.gp.com/build or call 1-888-502-BLUE.