



INTERNATIONAL BEAMS Product Guide - Rim Board



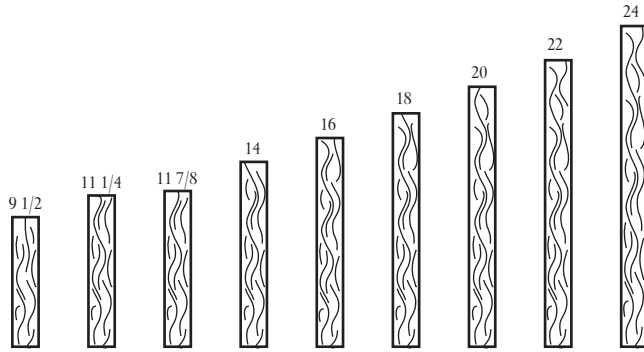
The
GREEN
Building
Solution



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IB RIM BOARD

Thicknesses 1" and 1 1/8" - available depths (in.)



Design capacities for IB Rim Board

IB Rim Board Grade	Thickness (in.)	H (lb/ft) horizontal shear transfer	V (lb/ft) vertical load (bearing)			Z (lb) lateral resistance for 1/2" dia. lag screw	P (lb) concentrated load vertical capacity
		Depth (d) Limitation (in)					
		d≤24	d≤16	d≤16 d≤24	d≤24	d≤24	
Standard	1	180	3,300	1,650	300	3,500	
Performance	1-1/8	200	4,850	3,200	350	3,500	

Notes:

- 1 inch thickness is only available in Standard grade. 1-1/8 inch thickness is only available in Performance grade.
- The following minimum nailed connections are required for the indicated horizontal shear transfer:
Rim Board to I-Joist; (2) 8d nails, one each into top and bottom flange Rim Board to sill plate; toe-nail 8d nails at 6" o.c. (or 16d nails at 12" o.c.)
Indicated nails are box nails or equivalent diameter pneumatic nails (8d is 0.113" in dia., 16d is 0.135" in dia.)
- Horizontal shear transfer capacity is based on short-term load duration (10 minutes).
All other design properties are based on normal load duration (10 years). All values may be adjusted for other load durations in accordance with the applicable code.

Allowable edgewise (beam) bending properties for IB Rim Board used as lintels (when the span does not exceed 4 feet)

IB Rim Board Grade	F _{be} (lb/in ²)	E _e (lb/in ²)	F _{ve} (lb/in ²)	F _{c ⊥ e} (lb/in ²)
Standard or Performance	600	550,000	270	550

Notes:

- All properties are for edgewise (beam) orientation. F_{be} is allowable bending stress, E_e is allowable modulus of elasticity, F_{ve} is allowable edgewise shear stress, F_{c ⊥ e} is allowable compression perpendicular to grain.
- F_{be} and F_{ve} properties are for long-term duration (10 years), and can be adjusted for other load durations in accordance with applicable design codes.
E_e and F_{c ⊥ e} properties shall not be adjusted.

About IB Rim Board

IB Rim Board is manufactured by Grant Forest Products, a privately owned family business with a longstanding reputation for superior quality.

IB Rim Board is dimensionally stable and perfectly suited for use as a perimeter board to finish an I-joist floor system quickly and accurately.

It is engineered to carry the lateral and vertical loads from the walls past the I-joist system to the sill plate and foundation.

IB rimboard is certified by TECO in accordance with TECO RB 133 Rim Board Product Standard and meets ICC-ES AC 124, Acceptance Criteria for Rim Board Products.

Bundle Sizes

Depth	1" IB Rim Board		1-1/8" IB Rim Board	
	Bundle Weight (lbs)	Bundle Weight (lbs)	Bundle Weight (lbs)	Bundle Weight (lbs)
9-1/2"	115 pcs	3596	100 pcs	3,473
11-1/4"	92 pcs	3364	80 pcs	3,291
11-7/8"	92 pcs	3596	80 pcs	3,473
14"	69 pcs	3180	60 pcs	3,071
16"	69 pcs	3634	60 pcs	3,510
18"	Special Order	---	40 pcs	2,633
20"				2,925
22"				3,218
24"				3,510

Notes:

- All sizes are shipped in 12 foot lengths.
- Bundle weights based on OSB density of 39 pcf. Add dunnage for total shipping weight.
- Verify stocking depths, shipping weights and special order requests with International Beams prior to ordering.

