



SPECIFICATIONS GUIDE

- 1.0 GENERAL MASTER-Q LVL** is a laminate construction of spruce veneers procured from forests managed and certified under the Finnish Forest Certification System audited by BVQI (Bureau Veritas Quality International) according to the ISO14001 environmental standard and the ISO 9002 quality standard. It is composed of various qualities of veneer arranged to obtain optimum utilization of each veneer to develop maximum strength and reliability.
- MASTER-Q LVL is a cross bonded LVL. This means that one-fifth of the veneers are glued crosswise. This structure improves the lateral bending strength and stiffness of the panel, thus increasing the shear strength when used as a beam. With crossbonded veneers, there is an essential reduction in moisture-dependent variations across the width of the panel.
- 2.0 INTENDED USE** This product is intended to be used as panels and beams, under dry conditions of use, and other industrial applications.
- 3.0 DIMENSIONS, COMPOSITION & TOLERANCES**

Thickness			Veneer Structure			Width	Length
Nominal (inches)	Actual (inches) (mm)		Z () qty	X (-) qty	Veneer Composition Sequence	(inches)	(feet)
3/4	0.77	21	5	2	- -	Multiples of 6' or 8' panels Minimum width = 3.5"	Minimum = 8'
1	1.06	27	7	2	- -		Maximum = 60'
1 1/8	1.10	30	8	2	- -		
1 1/4	1.30	33	9	2	- -		
1 1/2	1.54	39	10	3	- - -	Width Tolerance: < 8" = ± 1/16" > 8" = ± 1/8"	Length Tolerance: < 24' = ± 5/16" > 24' = ± 0.5%
1 3/4	1.77	45	12	3	- - -		
2	2.00	51	14	3	- - -		
2 1/4	2.24	57	15	4	- - - - -		
2 1/2	2.48	63	16	5	- - - - -		
2 3/4	2.72	69	18	5	- - - - -		

Tolerance = ± 5/64" (2mm)

Z = longitudinal direction, X = crosswise direction

MATERIAL

- 4.0 Veneer Plies;** Face, back and inner plies are all of the same species and meet Pan European Forest Certification requirements.
- 4.1 Species;** Norway Spruce (Picea abies)
- 4.2 Grade;** The grade shall not be below Grade C, per American Product Standard PS 1.
- 4.3 Thickness;** The thickness of each veneer shall be nominal 3.0mm (0.110").

CONSTRUCTION

- 5.0 Glue Bond Requirements;** The glue shall meet or exceed American Product Standard PS 1-Exterior Type.
- 6.0 Grain Direction;** All veneers shall be oriented with the grain parallel to the long dimension of the billet.
- 7.0 Veneer Joints;** All individual veneer joints shall be scarfed and staggered, with a distance between joints of not less than 4" (10.16 cm).

MANUFACTURE

- 8.0 Finished Product**

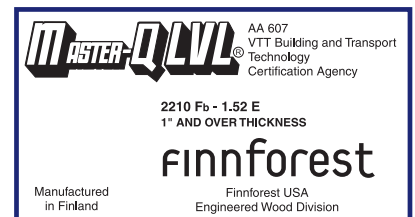
- 8.1 Widths;** Widths shall be cut within tolerances given, and with square clean edges, for each order.
- 8.2 Lengths;** Lengths shall be cut within tolerances given, and with square clear edges, for each order.
- 8.3 Surface;** Surface may be sanded or unsanded as required by order.
- 8.4 Surface;** Surface (face) veneer will use clear glue and may be grade A (clear) if requested.
- 8.5 Surface;** To enhance dimensional stability, seal coating can be provided upon request.

QUALITY CONTROL

- 9.0 MASTER-Q LVL** is manufactured under the ISO 9001 quality certification system. Quality control shall be under the supervision of the Technical Research Centre of Finland, Helsinki, Finland.

IDENTIFICATION

- 10.0 MASTER-Q LVL®**



Contact a Finnforest USA representative for more information about **MASTER-Q LVL®** boards.

finnforest
Finnforest USA, Engineered Wood Division

32205 Little Mack Avenue
Roseville, Michigan 48066
Phone: 800/622-5850 • Fax: 586/296-8773
www.finnforestus.com