



## SPECIFICATIONS GUIDE

**1.0 GENERAL** MASTER PLANK® 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. All veneers are oriented with the grain parallel to the long dimension of the billet, and is commonly referred to as **Laminated Veneer Lumber (LVL)**.

**2.0 INTENDED USE** This product is intended to be used as beams, joists, lintels or rafters under dry conditions of use, and for scaffold plank, staging, bleacher seats, cross arms, ladder rails and other industrial applications.

### 3.0 DIMENSIONS AND COMPOSITION

|                            |               |       |       |       |       |       |    |       |    |       |
|----------------------------|---------------|-------|-------|-------|-------|-------|----|-------|----|-------|
| Nominal Thickness (inches) | 3/4           | 1-1/8 | 1-1/4 | 1-1/2 | 1-5/8 | 1-3/4 | 2  | 2-1/2 | 3  | 3-1/2 |
| Nominal Thickness (mm)     | 19            | 28    | 33    | 39    | 42    | 45    | 51 | 63    | 75 | 88    |
| Widths                     | 3-5/8" to 24" |       |       |       |       |       |    |       |    |       |
| Lengths                    | 8' to 60'     |       |       |       |       |       |    |       |    |       |
| Number Plies               | 6             | 9     | 11    | 13    | 14    | 15    | 17 | 21    | 25 | 30    |
| Thickness of Plies         | 3.0 mm        |       |       |       |       |       |    |       |    |       |

### 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).

### 8.0 Tolerances

|           |                           |                  |
|-----------|---------------------------|------------------|
| Thickness | all                       | ± 5/64" (2.0 mm) |
| Width     | < 8" (200 mm)             | ± 1/16" (1.5 mm) |
|           | 8" (200 mm) -24" (600 mm) | ± 1/8" (3.0 mm)  |
|           | > 24" 600 mm              | ± 0.5 %          |
| Length    | all                       | ± 5/16" (8.0 mm) |

### MANUFACTURE

#### 9.0 Finished Product

**9.1 Widths** Widths shall be cut within tolerances given, and with square clean edges, for each order.

**9.2 Lengths** Lengths shall be cut within tolerances given, and with square clear edges, for each order.

**9.3 Surface** Surface may be sanded or unsanded as required by order.

**9.4 Surface** Surface (face) veneer may be grade A (clear) if requested.

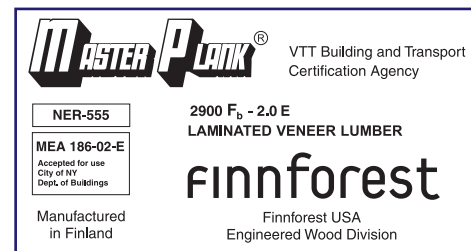
**9.5 Surface** To enhance dimensional stability, seal coating can be provided upon request.

### QUALITY CONTROL

**10.0 MASTER PLANK** 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

#### 11.0 MASTER PLANK



Contact a Finnforest USA representative for more information about Master Plank® LVL boards.

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**finnforest**

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