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Perma Panel Specifications

Our extensive inventory of Douglas-Fir Perma Panels are built to our specifications. These are as follows:

1) Veneers:

- A) All 100% Fir veneers.
- B) All high grade "C" veneers throughout the panel.
- C) All veneers dried to 8% moisture content or less during panel manufacturing.
- D) All veneers balanced to minimize any movement in the panel.
- E) All Sanded panels are sanded 2 sides. Veneer grades are CCXPTS or BC – depending on the panel and customer requirements.

2) **Glueline:** A high quality marine type glue with a minimum resin content of 30%, not the 19% typical with standard marine glues.

3) Lay-up:

- A) All veneers are hand laid up or composed to insure a very tight core line.
- B) All panels are put through a computerized blow detector to guard against delamination.

4) **Treating Process:** All panels are treated with a CCA, or MCA process to .40 KDAT (.14 MCA). They are then kiln dried to an ideal moisture content of 12-15%, with a maximum moisture content of 18%.

5) Number of Plies:

1/4"	- 3-ply	1"	- 8 or 9-ply
3/8"	- 3-ply	1 1/8"	- 9 ply
1/2"	- 4 or 5-ply	1 1/4"	- 11 ply
5/8"	- 5 or 7-ply	1 1/2"	- 13 ply
3/4"	- 6 or 7-ply	1 3/4"	- 15 ply

6) **A.P.A. Specifications:** Each of our Perma Panel items meet or exceed all of the A.P.A. specifications set forth in PS 1-09.

7) **Labeling:** All panels are to be stamped "Inland Plywood - Special Boat Panel" or "Inland Plywood - Perma Panel". This stamp ensures these specifications have been met or exceeded, thereby allowing the user to trust in the quality of the panel.

8) **Fasteners:** All Perma Panel users should work with their fastener provider to find the appropriate fasteners for their application. Examples of these are Stainless Steel and Hot Dipped Galvanized. Technical data regarding the treatment chemical is available upon request.

9) **Warranty:** All Inland Plywood Perma Panels are guaranteed against delamination or breakdown of the glue line for the life of the panel. See our complete warranty for further information.

"Performance Panels "for the Marine Industry