

F I N L A N D



*Birch™
Plywood*

nature's finest

STRONG • LIGHTWEIGHT • EXTREMELY DURABLE

*Ask any expert! The legendary quality of
Finland Birch™ Plywood is superior to any
other product available in the market.*

*Finland, a land covered
mostly by forests, provides
the treasured Birch which
has become the standard
with which all plywoods
are judged. Discover the
natural beauty, versatility
and extreme durability of
Finland Birch™ Plywood.*

- ▼ *Strikingly Different*
- ▼ *Easier Fabrication*
- ▼ *Greater Strength*
- ▼ *Virtually Voidless*



FINLAND



Superior Quality Since 1948.

Extensive Variety of Finishes

Light, Even Uniform Color

Full Range of Grades

Multiple Inner Plies Add Strength

Greater Screw Holding Power

Thickness—1/64" (3-Ply) to 4" (72-Ply)

Sizes Up to 60" x 144"

Interior and Exterior Glue Lines

WESTERN SALES 12343 Hawkins Street, Santa Fe Springs, CA 90670
Tel 562-941-7575 • 800-421-1372 • 888-888-9818 • Fax 562-944-8368

EASTERN SALES 777 Jefferson Road, Parsippany, NJ 07054
Tel 973-884-1000 • 800-759-6606 • Fax 973-884-1003 • www.naply.com

NORTH AMERICAN PLYWOOD CORPORATION

FINLAND



Birch™
Plywood

nature's finest

AVAILABLE IN THREE TYPES OF CORE CONSTRUCTION

- 1. ALL BIRCH**—Birch hardwood veneers used for all faces and inner plies.
- 2. COMBI**—Two hardwood birch veneers on each face with alternate inner veneers of softwood and birch.
- 3. TWIN**—One hardwood birch face with all softwood inner plies.

THICKNESS TOLERANCES

THICKNESS	NUMBER OF PLYS	MM	TOLERANCES IN MM
5/32"	3	3.8	3.5 - 4.1
1/4"	5	6.5	6.1 - 6.9
3/8"	7	9.3	8.8 - 9.8
1/2"	9	12.0	11.5 - 12.5
15mm	11	14.8	14.3 - 15.3
5/8"	12	16.2	15.7 - 16.7
18mm	13	17.6	17.1 - 18.1
3/4"	14	19.0	18.5 - 19.5
21mm	15	20.4	19.9 - 20.9
7/8"	16	21.8	21.3 - 22.3
1"	18	24.6	23.8 - 25.4
1 1/8"	20	27.4	26.6 - 28.2

SIZE TOLERANCES OF STANDARD SIZES

LENGTH/WIDTH mm	TOLERANCE mm
<1000	±1
1000—2000	±2
>2000	±3

OTHER TOLERANCES

Right Angle	±0.1%
Edge Straightness	±0.1%

FLAME SPREAD: ASTM E-84 twenty five foot tunnel flame test prepared by Hardwood Plywood Manufacturers Association. Tests resulted in a "Class C," 200 and under flame spread.

FORMALDEHYDE EMISSIONS: The amount of formaldehyde emitted by the plywood as determined according to DIN 52368 is 0.4mg HCHO/h.m.², E-1, 3.5mg HCHO/h.m.² thus Finland Birch is at the very low end of the E-1 classification.

Custom furniture parts and veneers are available. Please contact us for further information on your specific requirement.

25.4mm = 1 inch • 1 meter = 39.37 inches

Warehouse Locations: Los Angeles, CA
Oakland, CA • Tampa, FL • Parsippany, NJ
Kent, WA • Dallas, TX • Elkhart, IN

STRONG • LIGHTWEIGHT • EXTREMELY DURABLE

Finland Plywood has proudly become the standard by which other plywoods are judged. Manufactured with 1.4mm rotary-cut birch veneers, even the thinnest panels provide uncommon strength and aesthetic integrity that result in classic works.

Finland Birch™ is bonded with a phenolic resin adhesive which is water and boil proof. The formaldehyde glue emissions are classified as E-1, the lowest available in the industry. Finland Birch™ Plywood provides high performance results.

For special applications such as laser cutting and certain furniture parts, interior glue is available.

AVAILABLE SIZES (Cut to size also available.)

48" x 24 / 36 / 48 / 60 / 61 / 72 / 84 / 96 / 108 / 120 / 132 / 144"
60" x 24 / 36 / 48 / 60 / 61 / 72 / 84 / 96 / 108 / 120 / 132 / 144"

GRADE QUALITY REQUIREMENTS AND STANDARDS

GRADE **BU**

PIN KNOTS—Permitted.

OTHER KNOTS AND REPAIRED HOLES—Permitted up to an individual maximum diameter of 6mm provided the cumulative diameter is not greater than 12mm/m².

IRREGULARITIES IN THE STRUCTURE OF THE WOOD—Permitted, but slight.

CLOSED SPLITS AND CHECKS—Permitted an individual maximum length up to 100mm and in number up to 1 per meter of panel width.

DISCOLORATION AND COLORED STREAKS—Permitted slight up to an extent of 15% of the surface, some colored and mineral streaks.

DEFECTS AT THE EDGES DUE TO SANDING OR SAWING—Admitted up to 2mm from the edge.

GRADE **S**

PIN KNOTS—Permitted.

SOUND INTERGROWN KNOTS—Permitted up to an individual maximum diameter of 20mm provided the cumulative diameter is not greater than 50mm/m².

OTHER KNOTS AND REPAIRED HOLES—Permitted up to an individual maximum diameter of 20mm provided the cumulative diameter is not greater than 50mm/m².

IRREGULARITIES IN THE STRUCTURE OF THE WOOD—Permitted.

OPEN SPLITS AND CHECKS, REPAIRED—Permitted for an individual maximum width up to 2mm and for an individual maximum length 200mm and no more than 1 per meter of panel width.

CLOSED SPLITS AND CHECKS—Permitted and individual maximum length up to 200mm and in number up to 2 per meter of panel width.

DISCOLORATION AND COLORED STREAKS—Permitted.

INSERTS—Permitted if properly made up to maximum 1/m².

GLUE PENETRATION—Permitted occasionally.

DEFECTS AT THE EDGES DUE TO SANDING OR SAWING—Admitted up to 5mm from the edge.

GRADE **BB**

PIN KNOTS—Permitted.

SOUND INTERGROWN KNOTS—Permitted up to an individual maximum diameter of 25mm provided the cumulative diameter is not greater than 60mm/m².

IRREGULARITIES IN THE STRUCTURE OF THE WOOD—Permitted.

OPEN SPLITS AND CHECKS, REPAIRED—Permitted for an individual maximum width up to 2mm and for an individual maximum length 200mm and no more than 2 per meter of panel width.

CLOSED SPLITS AND CHECKS—Permitted for an individual maximum length up to 200mm and in number up to 2 per meter of panel width.

DISCOLORATION AND COLORED STREAKS—Permitted.

OPEN JOINTS, REPAIRED—Permitted an individual maximum width up to 2mm and of an individual maximum length 200mm and no more than 1 per meter of panel width.

OVERLAP—Permitted for a maximum length of 200mm and no more than 1/m².

INSERTS—Permitted up to an extent of 3% of the panel surface.

SANDING THROUGH—Permitted up an extent of 10cm² per square meter of panel area.

GLUE PENETRATION—Permitted up to an extent of 5% of the surface of the panel.

DEFECTS AT THE EDGES DUE TO SANDING OR SAWING—Admitted up to 5mm from the edge.

HOLLOW, BUMPS AND IMPRINTS—Permitted, but slight.

ROUGHNESS—Permitted, but slight.



VISIT OUR WEBSITE
www.naply.com

Finland ply is used for the construction of road cases that endure the brutal treatment of constant traveling.



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