

The Plywood Specifiers Guide

ISB1

Furniture



High Quality Birch Plywood for Furniture and Design



Plywood panels which are suitable for a variety of furniture and design applications

The highest quality birch plywood

The furniture industry has traditionally used birch plywood panels due to their high strength and durable properties in functional applications such as; schools, laboratories, auditoriums, libraries, shops, restaurants, and bars.

There is also now a growing demand for the use of birch plywood for more decorative finishes and many designers are highlighting the clean faces and laminated edge detail that are a primary feature of panels.



Key attributes of birch plywood include:

- Clean and aesthetically pleasing appearance
- Stability and ease of machining
- Mechanical strength, toughness, and durability
- Flexibility for bending and forming
- Good core composition which can be utilised as a design feature
- Glue bonding both for both exterior and interior applications
- Panels suitable for laser or waterjet cutting
- Fire resistant treated panels available

Our extensive range of birch plywood for the furniture industry is produced by a range of manufacturers who are renowned for their technical knowledge and ability to produce very high-quality plywood. Products are produced using selected premium birch logs to ensure that every stringent requirement that the furniture industry may have is fully satisfied.





Specialist birch plywood offering a multitude of attributes for furniture and design applications.

Panel thicknesses ranging from 0.4mm right up to 50mm, and a complete selection of face grades to suit all applications.

Applicable Products

- ✓ Birch
- ✓ Birch Laser
- ✓ Birch Special Coated- Smooth
- ✓ Birch Special Thin

Applications



FURNITURE



ARCHITECTURAL DESIGN

SPECIFICATION DETAIL:

Thicknesses(mm)	3 4 5 6 9 12 15 18 21 24 27 30 35 40 50
Number of plies	3 3 4/5 5 7 9 11 13 15 17 19 21 25 29 36
Dimensions (mm)	1525 x 1525, 2440 x 1220, 1220 x 3050, 1525 x 3050
Average density	Approx. 700 kg/m ³
Product standard	EN 636-2
Glue bond	EN 314-2 Class 3 (Exterior)
Formaldehyde release	Class E1 (Tested to EN 717-2) - CARB Phase 2 compliant (On Request)
Moisture content	8%-10% at manufacture
Grading	B or S+/BB, BB/BB, BB/CP, CP/CP, C/C
Core	Uniform and consistent core construction
Environmental certification	FSC® & PEFC™
European Timber Regulation (EUTR) status:	Compliant
CE marked	BS EN 13986
Material safety data sheet	Available

Birch Veneer Grade Examples



The highest quality birch plywood commercially available



Mainly solid veneers with only small repaired veneer splits and pin knots allowed



Generally as BB grade but with the possibility of a greater number of repairs



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