



BIRCH PLYWOOD CATALOG

Quality Birch Plywood
for the U.S. Market

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Introduction to NF ELIT

Reliable. Certified. Made for the U.S. Market.

NF ELIT is an established producer of high-quality birch plywood serving the U.S. market. We operate multiple manufacturing facilities in Turkey, blending modern production methods with a seasoned workforce to create panels of consistent strength, smoothness, and uniformity.



- **Manufacturing in Turkey**
- **100% Birch**
- **CARB P2 & TSCA Title VI compliance**
- **Flexible supply volumes**

INTERIOR & EXTERIOR BIRCH PLYWOOD

Versatile. Durable. Engineered to Perform.

Product Description

NF ELIT (*nterior & Exterior* Birch Plywood is made from 100% birch veneers, cross-bonded and hot-pressed to ensure high strength, excellent screw-holding, and dimensional stability. Designed for both dry and humid conditions. It is a universal solution for multiple applications.

Key Features

- ✓ 100% solid birch core – no filler layers
- ✓ Multi-ply construction (5–21 plies depending on thickness)
- ✓ Excellent face and edge integrity
- ✓ Available with MR (Urea) or WBP (Phenol) adhesive
- ✓ Calibrated thickness tolerance for precision work

Available Grades

- ✓ Face Grades: B/BB, BB/BB, BB/CP
- ✓ Glue Types: Interior (MR), Exterior (WBP)
- ✓ Finishing: Sanded 120-180 grit, raw sanded



Typical Applications

- ✓ Interior: furniture, cabinets, wall paneling, shelving
- ✓ Exterior: formwork (short-term), packaging, outdoor structures
- ✓ DIY & crafts: due to machinability and smooth surface

Sizes & Specs

- ✓ Standard Size: 4" x 8" (1220 x 2440 mm)
- ✓ Thickness Range: 1/8" to 1" (3–25 mm)

Colored Plywood

Stylish. Strong. Made to Be Seen

Product Description

Colored Plywood is birch plywood coated with translucent or pigmented color film to combine the natural beauty of wood with striking visual appeal. The finish is UV-resistant and durable, making it suitable for both vertical and horizontal interior applications.

Key Features

- ✓ Factory-applied decorative color coating
- ✓ Available in transparent tints or solid colors
- ✓ UV- and scratch-resistant surface
- ✓ 100% birch core for strength and precision
- ✓ No need for further painting or treatment
- ✓ Excellent machinability and edge quality

Typical Applications

- 🏠 interior design, wall cladding
- display furniture
- retail shelving
- children's furniture
- exhibition stands



Available Options

- Colors; Natural tint, red, black, gray, blue, yellow (customizable)
- ▲ Surface: Semi-matte, smooth finish
- = Glue; Interior (MR) or Exterior (WBP)

Sizes & Specs

- Size: 4" x 8" (1220 x 440 mm)
- Thickness; 1/4" to 3/4" (6–18 mm)

FLEXIBLE PLYWOOD

NF ELIT

Bend the Rules. Shape the Future.

Product Description

Flexible Birch Plywood is specially manufactured to allow bending along the grain direction without cracking. It is designed for curved furniture, decorative panels, and creative interior designs. Flexible remains stable and strong even when shaped into tight radii.

Key Features

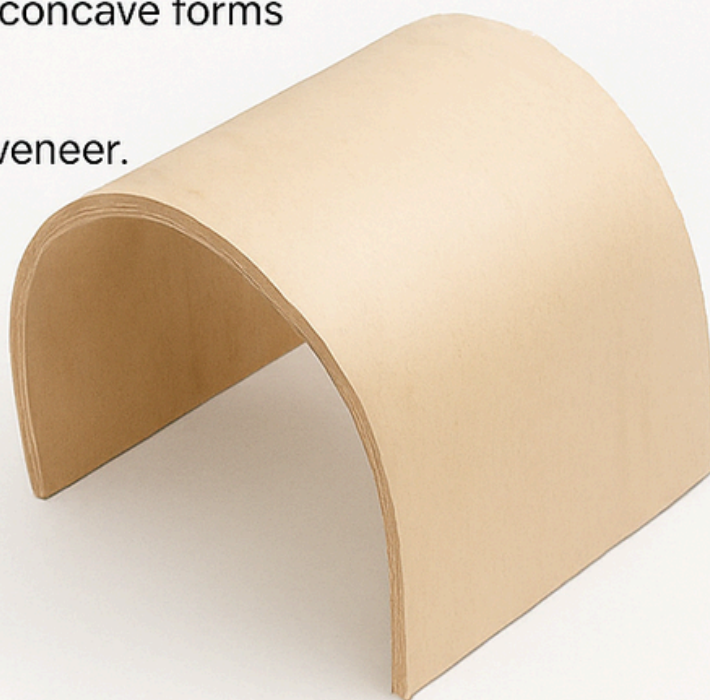
- ✓ Flexible along one axis for forming curves
- ✓ Birch veneer construction for strength and durability
- ✓ Suitable for both convex or concave forms
- ✓ Easy to cut and shape
- ✓ Can be finished with paint, veneer, or laminate
- ✓ Minimal spring-back effect

Available Grades

Cora: Birch / Eucalyptus

Face: Sanded, rotary-cut birch

Glue: MR (interior use)



Typical Applications



Curved furniture components



Wall niches



Columns



Reception desks

Creative interior forms

Sizes & Specs

4' x 8" (1220 x 2440 mm)

Thickness; 1/8" to 1/4"
(3–6 mm)

NF ELIT

LASER-GRADE PLYWOOD

Precision Cut. Premium Finish.

Product Description

Laser-Grade Birch Plywood is made with ultra-smooth, defect-free birch veneers and low-emission adhesive, making it ideal for laser cutting and CNC machining, it delivers clean, precise strength and slow burn char, while maintaining excellent strength and stability.



Key Features

- High-quality, sanded birch surface (180+ grit)
- Core calibrated for uniform thickness and minimal gaps
- Made from 100 % birch veneers
- Low smoke and reduced charring during laser cutting
- CARB Phase II & TSCA Title VI certified
- Compatible with laser cutters, CNC routers, engravers

Sizes & Specs

12" x 19" (305 x 483 mm), 24" x 48" (610 x 1220 mm)

Thickness: 1/8" to 1/2" (3-12 mm)

Available Grades

Face: B/B or BB/BB

Core: 100 % birch, calibrated

Glue: Formaldehyde-free or low-emission ET/ CARB glue

Typical Applications

- Laser cutting
- Engraving
- Model-making
- Architectural prototyping
- Crafts
- Electronics enclosures

NF ELIT

HCV TRANSPORT PANELS

Heavy-Duty Birch Plywood for Commercial Vehicles

Product Description

HCV Transport Panels are engineered birch plywood sheets designed for use in trailers, trucks, and cargo floors. Ideal for exceptional durability, wear resistance, and anti-slip protection – industrial transport environments.

Key Features

- ✓ High-density birch core
- ✓ Reinforced surface with wear-resistant coating
- ✓ Anti-slip film or mesh surface (optional)
- ✓ Moisture-resistant phenolic bonding (WBP)
- ✓ Excellent mechanical strength and impact resistance
- ✓ Ready for screwing, bolting, and load-bearing use



Trailer floors, cargo boxes, van interiors, container linings, truck beds, logistics platforms



Available Grades

- Core: 100 % birch
- Surface: Smooth or mesh-faced phenolic film
- Glue: WBP (Phenolic resin)
- Edge sealing with water-resistant paint

Sizes & Specs

- Size: 4' x 8" (1220 x 2440 mm)
- Thickness: 1/2" to 1" (12-25 mm)

Parquet Plywood: Engineered for High-Performance Flooring

What is Parquet Plywood?

Parquet plywood is crafted from 100% birch, designed specifically for engineered flooring applications. With exceptional moisture resistance, precision thickness tolerances, and high-strength veneers, it provides the perfect foundation for residential and commercial flooring projects. This plywood is ideal for both structural and aesthetic uses.

Key Features:

High-Quality Birch Veneers: Solid, hand-selected veneers ensure superior bonding strength (≥ 1.75 MPa for premium grades).
Moisture-Resistant Bonding: Designed to resist humidity variations, preventing warping and decay.

Precision Tolerances:

Manufactured with thickness tolerances of ± 0.2 mm for consistent and reliable performance.

Formaldehyde-Free: Compliant with E1, E0.5, and CARB standards for low formaldehyde emissions, ensuring a safe and environmentally friendly product.

Available Panel Sizes:

4' x 8' (1220 x 2440 mm)

5' x 5' (1525 x 1525 mm)



Available Grades:

Premium Grade: Features hand-selected veneers for top-tier performance with minimal moisture content (5–9%).

Standard Grade: Provides reliable performance with tight thickness tolerances and excellent strength.

Panel Thickness: Available in 6 mm – 15 mm (custom thicknesses on request).

Certifications: Meets CARB, E1, E0.5 formaldehyde standards, ensuring environmental compliance.

Applications

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CONSTRUCTION & FORMWORK

Reliable Plywood Solutions for Heavy-Duty Construction

Product Overview

NF ELIT offers robust birch plywood solutions engineered to perform under high-load -and hig-moisture conditions, our panois support critical constuction operations with confidence.

Applications

- **Concrete Formwork**
Smooth phenolic suriac ensures clean release and multiple reuse cycles
- **Scaffolding & Platforms**
High load-bearing capacity and WBP bonding for safety and durability
- **Structural Subfloors & Sheathing**
Multi-layer birch construction guarantees long-term stability and resistance to warping



Why Choose NF ELIT for Construction?

Feature	Benefit
WBP Phenolic Bonding	Waterproof, long-leating, and ideal formwerreuse
Smooth Film Surface (optional)	Clean concrete relexed reduced
Calibrated Thickness	Stable base
Sealed Edges	Reduces water abscrption and swelling

FURNITURE & INTERIORS

**Aesthetic. Stable.
Made for Precision
Craftsmanship**

Product Overview

NF ELIT Birch Plywood is a preferred material for high-end furniture and interior components due to its strength, clean appearance, and excellent machining properties. Its light color and smooth grain make it ideal for visible surfaces.

Applications

- **Cabinets & Shelving**
Stable, easy to cut, and holds screws securely
- **Tables, Desks & Seating**
Strong multi-layer structure with minimal deflection
- **Wall Panels & Interior Fixtures**
Decorative-grade surface suitable for staining or painting
- **Retail Displays & Built-ins**
Professional finish with long-lasting durability



Why Choose NF ELIT for Interiors?

Feature	Benefit
Smooth Sanded Surface	Ready for paint, laminate, or veneer
100% Birch Construction	Strength, precision, and stability
Low Emission Adhesive	Clean edges and perfect joinery

Furniture & Interior Design

Interior & Exterior Birch Plywood / Colored Plywood

Versatile and elegant — inside and out

NF ELIT birch plywood offers the perfect combination of beauty and performance for residential, commercial, and public interiors.

Applications include:

- Kitchen cabinets and shelves
- Tables, chairs, and upholstered frames
- Built-in closets and storage systems
- Wall and ceiling panels
- Decorative displays and retail fixtures

Colored Plywood Options

For designs that stand out — ideal for painting, laminating and veneering, A vibrant surface without the need for additional finishes.



Why designers and manufacturers choose NF ELIT plywood:

- Smooth, even surface — ideal for painting, laminating, and veneering
- Strong and lightweight — supports structural furniture without excess bulk
- Eco-friendly & certified — TSCAA Title VI / CARB P2 compliant

INTERIOR & RETAIL DESIGN

Interior & Exterior Birch Plywood / Colored Plywood

Aesthetic precision for every space

NF ELIT birch plywood brings natural beauty, strength, and uniformity to commercial interiors, retail environments, and modern architecture.

Perfect for:

- Decorative wall and ceiling panels
- Built-in cabinetry and custom displays
- Cafe, restaurant, and hotel interiors
- Reception areas and workspaces
- Architectural accents and retail fixtures

Design advantages:

- Smooth, consistent surface — ideal for staining, painting, or laminating
- Visually clean plywood core — no voids or patches on exposed edges
- Colored plywood options — deep-dyed panels in Red, Black, Gray, and more
- Strong and stable — holds screws and fasteners with precision
- Certified for indoor air safety — TSCA Title VI / CARB P2 compliant

NF ELIT panels help designers realize bold concepts with precision and durability — all while meeting the highest American standards.



TRANSPORTATION

HCV TRANSPORT PANELS / FILM-FACED PLYWOOD

ENGINEERED FOR DURABILITY ON THE MOVE

NF ELIT birch plywood is widely used in the transport industry—where strength, weight balance, and wear resistance are critical:

- Truck and trailer floors
- Wall and door linings in vans and box trucks
- Bus, RV, and cargo interiors
- Transport packaging and containers

WHY NF ELIT PLYWOOD?

High load resistance

Withstands constant vibration, mechanical stress, and heavy cargo.

Moisture and abrasion resistant

Film-faced options provide a non-slip, easy-to-clean surface that resists oil, dirt, and chemicals.

Consistent thickness and strength

Ensures safe installation and long-im performance in both QEM and repair applications.

Cut to U.S. sizes

Available in **standard** imperial formats for fast and efficient integration into production lines.



CURVED STRUCTURES

FLEXIBLE BIRCH PLYWOOD

Shape your vision – without compromise

NF ELIT Flexible Birch Plywood is designed for smooth, elegant curves in modern architecture and furniture design. Its bendable construction opens the door to limitless creative applications

PERFECT FOR:

- Curved furniture elements
- Arched walls and doorways
- Rounded counters and reception desks
- Theater, exhibition, and stage design
- Custom interior installations

Available in multiple thicknesses and bending radii to suit your project needs.

Certified for indoor use (CARB Phase 2 / TSCA Title VI compliant)



PRODUCT ADVANTAGES:

- Bends easily along grain or crosswise
- No steaming or soaking required – dry bending
- Holds shape once fastened or glued
- Finishes cleanly – ready for veneer, paint, or laminate

LASER CUTTING & ENGRAVING

Laser-Grade Birch Plywood

Precision starts with the right material

NF ELIT Laser-Grade Plywood is specifically selected for clean, accurate cutting and engraving with CO₂ and diode lasers—With no internal voids flow formaldehyde emissions, and professional or hobbyists alike.



IDEAL FOR:

- Custom signage and lettering
- Architectural models
- Decorative wall panels
- Crafts and promotional items
- Engraved packaging and inserts

WHY IT WORKS FOR LASER USE:

- No internal gaps or glue pockets – guaranteed cutting consistency
- Low formaldehyde adhesive (TSCA Title VI & CARB P2 dPa)
- Smooth, sanded surface ready for direct finishing
- Minimal smoke and residue – ready for veneer, paint
- Available in thin formats – including 1/8", 1/4", metric equivalents

Each panel is carefully selected to ensure predictable results, cut after cut.

FLOORING BASE LAYER

Parquet Plywood /
Interior Birch Plywood

**The foundation for
premium floors**



NF ELIT birch plywood is the trusted base layer beneath hardwood, engineered, and parquet flooring. Its strength, stability, and moisture resistance ensure long-term performance and dimensional accuracy.

Used for:

- Parquet floor construction
- Engineered wood flooring base
- Sound-insulating subflooring systems
- High-traffic residential and commercial flooring

Performance benefits:

- Strong and stiff core — prevents sagging or shifting
- Smooth, calibrated surface — ready for fix bonding with finish layers
- High screw and nail holding power
- Excellent dimensional stability — minimizes expansion and contraction

Available in calibrated thicknesses sheet sizes optimized for flooring manufacturers.

Contact Us


Let's build better together.

NF ELIT LLC

Plywood Division – U.S. Market

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We supply certified birch plywood—made in Turkey, stocked to U.S. specifications, and shipped directly to American ports.

- Custom dimensions and finishes available
- Any volume: from small wholesale to container loads
- Expert support from our Cincinnati-based team
- Fast lead times and port-to-warehouse logistics

Need a quote or technical info?

Write or call us—we'll match the product to your project.