

UNITED PANEL GROUP



BIG SIZE PLYWOOD

FOR MODERN INDUSTRIES



UNITED PANEL GROUP
15x2500x1250 120
1 rd (1 F/F)
PERI BIRCH
EXT / Ø16
28.05.2017
28.05.2017

3

PRODUCTION
SITES: PLYWOOD,
PEELED VENEER
AND MDF

27

PLYWOOD
SIZES

50

BUYING
COUNTRIES

70%

EXPORT

270

K M³ ANNUAL
PRODUCTION
OF WOOD BASED
PANELS



UNITED PANEL GROUP

UNITED PANEL GROUP (UPG) is a Russian timber processing company. We combine three production sites in the Russian Federation: Zheshartsky plywood mill (Komi Republic), a woodworking mill in Balezino (Udmurt Republic), veneer production in Demyanovo (Kirov region), as well as the Lesplittorg trading house (Moscow) and a distribution center in Riga (Latvia).



We produce raw and film faced birch plywood and are among **the top-5 largest producers of birch plywood in Russia.**



We offer our customers a wide range of **large format plywood 5x10 and 4x8x4 and special sizes** — 2x10, 3x10, 4x5, 4x10, 4x11, 5x6, 5x7, 5x8, 5x9, 5x11, the most demanding in concrete formwork, furniture and engineered flooring production, decorative panels, as well as in trailers, minivans, high-speed trains.



Large-format plywood is available in **interior (MR) and exterior (WBP)** glue, raw and coated with phenolic **films of various patterns.** We do machining — **cut-to-size, tongue-and-groove,** which allows us to meet the special requirements of modern industries.



UPG's product portfolio also includes **5x5 plywood and birch veneer,** so that we provide a **full range of products** and our customers can make **mixed orders.**



Our mills have installed modern machines and high-precision instruments: peeling and drying lines **RAUTE (Finland),** equipment for edge bonding **Hashimoto (Japan),** grinding machines **Steinemann (Switzerland).**



Our employees are **experienced professionals** in the plywood industry and help customers solve any issues related to production and shipment of finished goods.



UPG products meet the requirements of Russian and international quality standards, which is confirmed by certificates **GOST, EN, CE, EPA TSCA Title VI ULEF, CARB ULEF, BFU-100, ST-1.**



All products have passed the **environmental safety** assessment and have a formaldehyde emission class of **E1.**



We are responsible for the **use of forest resources,** which is confirmed by the international certificate of responsible forest management and forest resources **FSC** (license code No. FSC-C017276).

UPG RAW PLYWOOD



UPG birch plywood is a high-quality structural material made from **birch veneer 1.5 mm** thick, as well as **1.15 and 1.9 mm for special products**.

It has high strength and durability, fits well to processing and goes well with finishing materials. Save properties in a wide range of temperature — from **-40 to + 50 ° C**.

We produce plywood of the two types — **INT and EXT**.

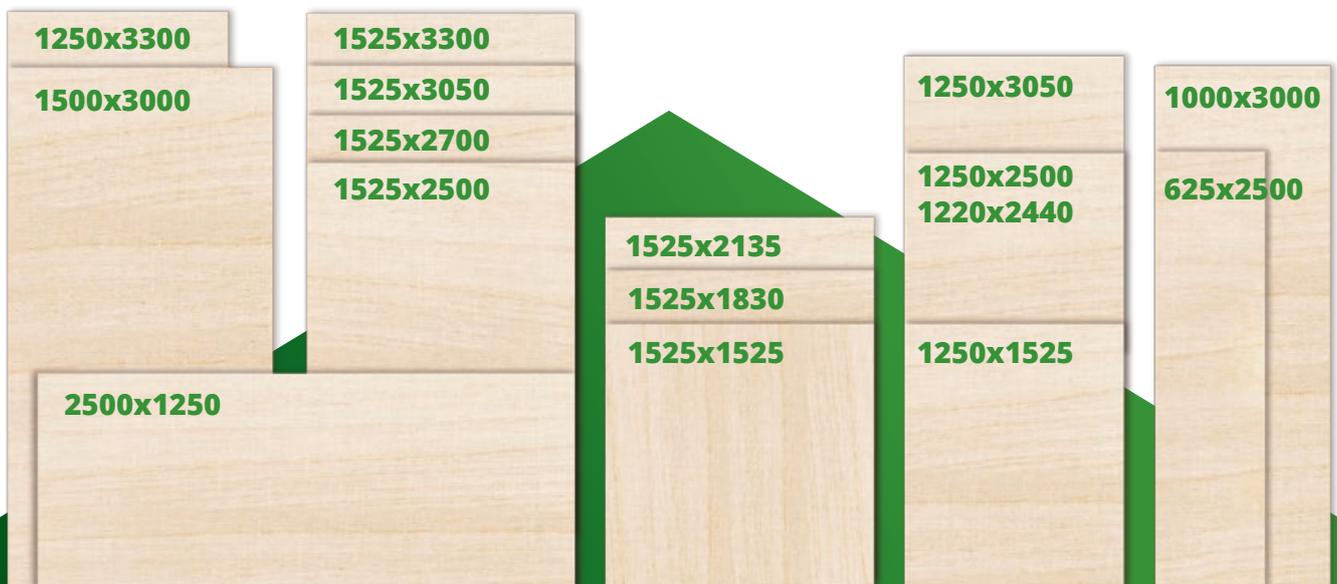
In the production of **INT** plywood, urea-formaldehyde adhesive is used, in the manufacture of **EXT** plywood, phenol-formaldehyde is used (WBP glue). The edges of INT plywood are lighter than EXT plywood.

Birch plywood is produced in five main grades: B, S (I), BB (II), CP (III), C (IV).

INT plywood is used for furniture and interior decoration - where high moisture resistance is not required. This plywood is ideal **for laser cutting** and is used in the production of dieboards, toys and souvenirs.

EXT plywood maintains properties in conditions of high humidity, does not deform and does not soak. It is widely used in construction, wall paneling of vans and minivans, and engineered flooring production.

By type of surface machining, plywood is divided into **sanded (S2S marking) and unsanded (NS)**. In the direction of the surface fibers - to the **longitudinal** (fibers are along the long side of the sheet) and **transverse** (fibers along the short side of the sheet).



THE UPG RAW PLYWOOD PRODUCT LINE INCLUDES THE MAIN FORMATS 5x10, 5x8, 4x8x4, 4x10, 5x5 AND ALL DERIVATIVE FORMATS MOST DEMANDED ON THE MARKET.

UPG FILM FACED PLYWOOD

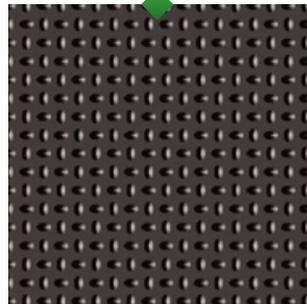
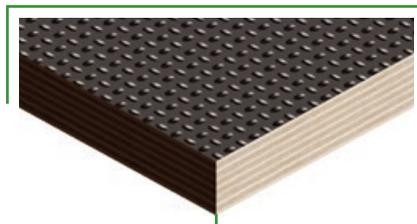


UPG film faced plywood — EXT high-quality birch plywood produced with WBP glue and coated with a special protective film. Due to this, the surface of the **product is resistant to moisture, abrasion, chemicals, as well as to fungus and mold.** The edges of plywood are protected with acrylic paint in the color of the film. **It is widely used in concrete formwork and for vehicle floors.** Quickly mounted and easy to handle.

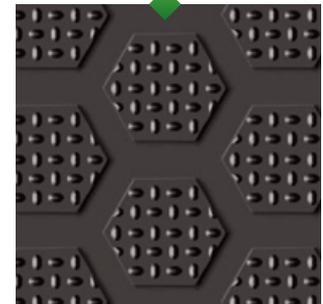
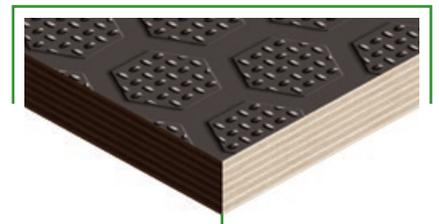
We offer film faced plywood with a smooth and mesh surface, as well as with a hex pattern:



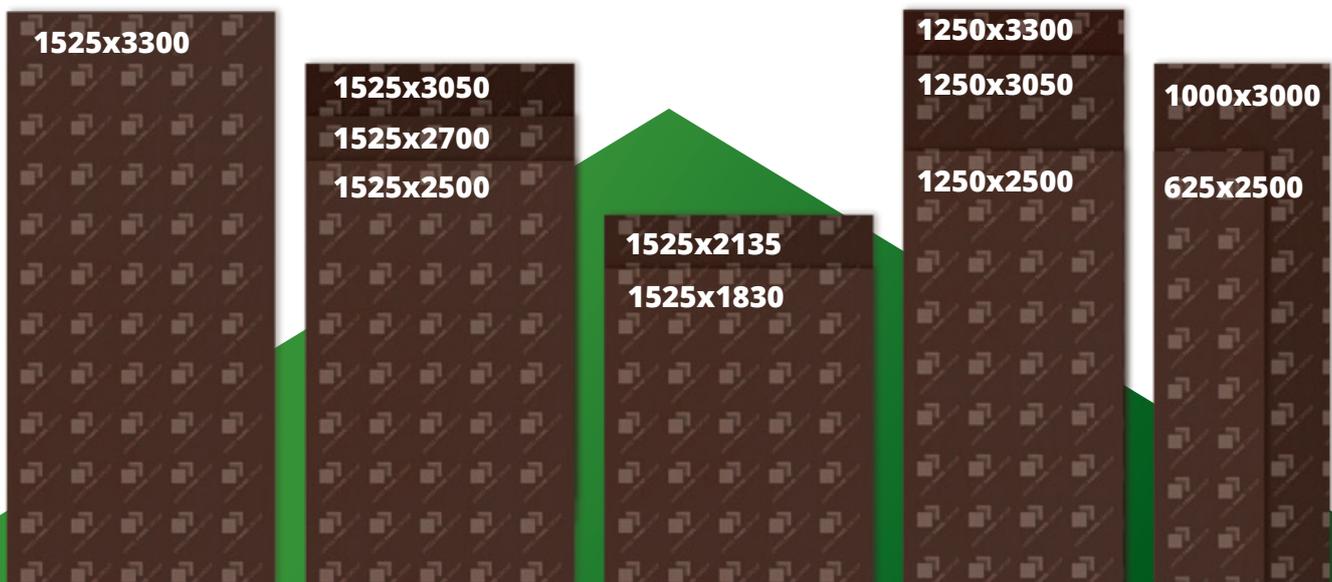
SMOOTH



WIREMESH



HEXA



THE UPG FILM FACED PLYWOOD SIZES RANGE INCLUDES THE MAIN 4x8 AND 5x10 FORMATS, AS WELL AS THE POPULAR 5x11, 5x8, 4x10, 2x8 FORMATS.

UPG RAW PLYWOOD

APPLICATION

CABINETS, DRAWERS,
FURNITURE DETAILS



WALL PANELS



SUBSTRATE
FOR ENGINEERED FLOORING



BASIS FOR HPL-PANELS



TOYS, SOUVENIRS



LASER CUTTING,
DIEBOARDS



SHEATHING OF WALLS
AND DOORS IN VANS,
MINIVANS, CAMPERS



UPG FILM FACED PLYWOOD APPLICATION



FORMWORK OF WALLS,
COLUMNS, CEILINGS,
STRIP FOUNDATIONS



FLOORS IN TRAILERS,
SEMI-TRAILERS



EXTERIOR WALLS,
DOORS IN VANS



FLOORING, WALL AND DOOR
PANELING, FURNITURE IN VANS,
MINIVANS, CAMPERS



BOATS (BENCHES, SLEIGHS,
TRANSOMS)



BOXES FOR MUSICAL
INSTRUMENTS

APPLICATION



CONSTRUCTION			
Slab formworks		◆	
Frame formworks		◆	
Formwork beams	◆		
Farms and agro constructions	◆	◆	
Industrial floors, decking units			◆
Scaffolding	◆		◆
Fencing units	◆		
Stairs, podiums, scenes			◆
Pedestrian bridges, ramps			◆
Trays for reinforced concrete		◆	
Exterior decoration		◆	
Interior decoration	◆	◆	
Sports equipment, stadiums, stables		◆	
Playgrounds		◆	◆
Exhibition stands, shelving units		◆	
Road signs, billboards		◆	
Garden furniture		◆	
TRANSPORTATION			
Buses		◆	◆
Trailers, semi-trailers			◆
Vans		◆	◆
Minibuses		◆	◆
Campers		◆	◆
Horse trailers			◆
Boats		◆	◆
Passenger trains		◆	
Aircrafts		◆	
Loading platforms			◆
FURNITURE & INTERIOR			
Cabinetry	◆	◆	
Drawers	◆	◆	
Upholstery	◆	◆	
Trading equipment and furniture	◆	◆	◆
Wall panels	◆	◆	
HPL-panels		◆	
Engineered flooring		◆	
Flooring underlayment		◆	
Dieboards	◆		
Toys, souvenirs	◆		
Speakers	◆	◆	
PACKAGING			
Industrial packaging, cable reels		◆	
Food packaging	◆		
Boxes for musical instruments			◆
Boxes for flowers			◆
OTHERS			
Casting forms		◆	

SIZES, MM (FT)

610x2440, 625x2500 (2x8)
1000x3000 (3x10)
1220x2440x1220, 1250x2500x1250 (4x8x4)
1250x3050 (4x10)
1250x3300 (4x11)
1500x1830, 1525x1830 (5x6)
1500x1830, 1525x2135 (5x7)
1500x2440, 1525x2500 (5x8)
1525x2700, 1500x2700 (5x9)
1500x3000, 1525x3050 (5x10)
1500x3300, 1525x3300 (5x11)

LENGTH / WIDTH TOLERANCES, MM

LENGTH / WIDTH OF PLYWOOD SHEETS, MM	MAXIMUM DEVIATION, MM
100≤L/W≤780	±1,0
1200≤L/W≤1350	±3,0
1500≤L/W≤2500	±4,0
2700≤L/W≤3660	±5,0

THICKNESS AND NUMBER OF PLYS

NOMINAL THICKNESS, MM	NUMBER OF PLYS	LOWER VALUE (MIN), MM	TOP VALUE (MAX), MM
3	3	2,5	3,3
4	3	3,5	4,3
5	5	4,5	5,3
6	5	5,4	6,4
6,5	5	5,9	6,9
7	5	6,4	7,4
8	7	7,35	8,45
9	7	8,35	9,45
10	7;9	9,3	10,5
11	9	10,3	11,5
12	9	11,3	12,5
14	9;11	13,15	14,65
15	11	14,15	15,65
16	11	15,15	16,65
17	13	16,1	17,7
18	11;13;15	17,1	18,7
20	15	19	20,8
21	13;15;17	20	21,8
24	15;17	22,9	24,9
27	19	25,8	28
28	19	26,8	29
30	21	28,7	31,1
35	25	33,6	36,2
38	25;27	36,5	39,3
40	29	38,4	41,4

SPECIFICATIONS OF UPG RAW PLYWOOD

THICKNESS, MM	3-40
GRADE	B/BB (I/II), S/BB (I/II), BB/BB (II/III), BB/CP (II/III), BB/C (II/IV), CP/CP (III/III), CP/C (III/IV), C (IV)
SURFACE TYPE	Sanded on both sides (S2S), sanded on one side (S1), unsanded (NS)
GLUE	INT, EXT (WBP)
FORMALDEHYDE EMISSION CLASS	E1
WATER RESISTANCE	High (EXT)
DENSITY, KG/M ³	640-700
MOISTURE CONTENT, %	5-11
Produced under TU 5512-002-12886368-2019 Plywood glued. Technical requirements.	

SPECIFICATIONS OF UPG FILM FACED PLYWOOD

THICKNESS, MM	6-40
SURFACE TYPE	Smooth/smooth (F/F), smooth/wiremesh (F/W), smooth/CP (F/CP)
FILM DENSITY, G/M ²	120, 220
FORMALDEHYDE EMISSION CLASS	E1
WATER RESISTANCE	High
DENSITY, KG/M ³	640-700
MOISTURE CONTENT, %	5-15
EDGE SEALING	Acryl-based water resistant paint
Produced under TU 5512-002-12886368-2014 Film faced plywood. Technical requirements.	

FORMALDEHYDE EMISSION CLASS

FORMALDEHYDE EMISSION CLASS	FORMALDEHYDE EMISSION	
	Requirement GOST 3916.1-2018	Average actual value 2020*
E1	From 1.5 to 3.5 inclusive, mg / m ² *h	From 0.81 to 2.0 inclusive, mg / m ² *h

STRENGTH INDICATORS

INDEX		REQUIREMENT GOST 3916.1-2018	REQUIREMENT EN 13986: 2004 +A1 2015 EN 636: 2012 +A1 2015 EN 314: 1993	AVERAGE ACTUAL VALUE 2020*
Static bending strength for thicknesses of 6-40 mm, MPa, not less	along the grain of face plies	25	not standardized	80
	across the grain of face plies	not standardized		70
Modulus of elasticity in static bending, MPa, not less	along the grain	7 000	7 000	11 000
	across the grain			8 000
Shear strength for shearing through adhesive layer (adhesive strength), MPa, not less	after boiling in water for 6 hours	not standardized		2
	after soaking for 24 hours			2
Moisture content, %		5-10		6-9

* Individual values of indicators may differ from the average both up and down.

LOGISTICS

WE DELIVER PRODUCTS TO CUSTOMERS BY:



trucks



wagons



containers

Our customers can track the delivery status in the tracking report 2 times a week

WE CARRY OUT SHIPMENTS THROUGH FOUR DISTRIBUTION CENTERS:
MOSCOW, ST. PETERSBURG, BREST, RIGA



SERVICE



We **keep in touch** with customers and **promptly respond** to inquiries. The response time for a request for standard products is **day-to-day**. For special products — **3 days**.



Confirm the order to the client within 3 days.



Sign contract in 3 days.



We **comply** with the production date of the order with an accuracy of **2 days**.



Our customers **track** the status of an order in a special report. The report is sent automatically by the customer support system **2 times a week**.



**WOODY
TOUCH**

YOU CAN USE WOODY TOUCH SERVICE IN YOUR PERSONAL ACCOUNT ON UPGWEB.RU TO:

- ◆ BUY FINISHED GOODS FROM STOCK



UNITED PANEL GROUP

**FOR PURCHASE OF PLYWOOD,
PLEASE CONTACT EXPORT DEPARTMENT:**

**+ 7 (495) 995-35-00
info@upgweb.com**

Cover photo: Oleg Lobov, EHS Manager.
Photo on the Service page: Vera Kokovkina, Leading Planning Specialist.

E1 CE CARB



The mark of
responsible forestry

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