



UNITED PANEL GROUP

YOUR PLYWOOD DESIRE

UPG LONG/CROSS

**LONG-CROSS GRAIN PLYWOOD
BIRCH FOR DECORATIVE PURPOSES**

100%

BIRCH

WBP, MR

GLUE

COST-EFFICIENT*
PRICE
FOR LONG GRAIN
PLYWOOD

STYLISH INTERIOR WITHOUT COMPROMISE AND OVERPAYMENTS

**FOR APPLICATION
WHERE THE LONGITUDINAL TEXTURE
OF THE FACE SIDE IS IMPORTANT**

*COMPARED TO TRADITIONAL PLYWOOD WITH LONG GRAIN
ARRANGEMENT OF FIBERS IN BOTH OUTER LAYERS



UPG LONG/CROSS

LONG-CROSS GRAIN PLYWOOD BIRCH FOR DECORATIVE PURPOSES

E0,5
EMISSION
CLASS

The plywood is long grain on one side and cross on the other side, the longitudinal surface of the prime class. It is intended for application where the longitudinal texture of the wood on the front side of the product is important.

Main technical features: two glue types - MR and WBP (by agreement with the consumer), discount to the price of standard long grain plywood.

Consumer benefits: allows you to optimize costs due to the intended use of long grain plywood (without overpayment for the reverse side).

Application field:

- ◆ interior wall panels;
- ◆ furniture frames, facades, tabletops, boxes.

SPECIFICATIONS OF UPG LONG/CROSS

SIZES, LENGTH x WIDTH, FT, MM	8x4	2440x1220, 2465x1245, 2500x1250
THICKNESS, MM	9.0-21.0	
GRADE	B/CP (I/III), S/CP (I/III), BB/CP (II/III)	
SURFACE TYPE	Sanded on both sides (S2S)	
GLUE	WBP, MR	
FORMALDEHYDE EMISSION CLASS	E1 (MR), E0.5 (WBP)	
WATER RESISTANCE	High (WBP)	
DENSITY, KG/M ³	640-700	
MOISTURE CONTENT, %	5-11*	
Produced under TU 5512-002-12886368-2019 Plywood glued. Technical requirements.		

*The moisture content of plywood is determined by the laboratory/weight method. Indicated moisture limits must be observed when shipping UPG LONG/CROSS plywood from the manufacturer's warehouse.

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*
Shear strength for shearing through adhesive layer (adhesive strength), MPa, not less	after boiling in water for 6 hours	not standardized	not standardized	2
	after soaking for 24 hours			2
Static bending strength, 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	not standardized		8 000

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

THICKNESS AND NUMBER OF PLYS

NOMINAL THICKNESS, MM	MAXIMUM DEVIATION, MM	THICKNESS VARIATION IN ONE SHEET, MAXIMUM, MM	NUMBER OF PLYS
9	+0.4 -0.6	0.6	7
10	+0.5 -0.7		9
12	+0.5 -0.7		9
15	+0.65 -0.85		11
16	+0.65 -0.85		11
18	+0.7 -0.9		13
20	+0.8 -1.0		15
21	+0.8 -1.0		15

UPG LONG/CROSS plywood is permitted to be produced with other thicknesses, number of layers, and maximum deviations by agreement between the manufacturer and the customer.