



MURASHINSKIY
PLYWOOD
PLANT



CATALOG

LLC «MURASHINSKY PLYWOOD PLANT»

ABOUT THE COMPANY



**MURASHINSKIY
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- «Murashinsky Plywood Plant», LLC is a new, high-tech, environmentally friendly production that meets modern international standards.
- On December 15, 2017, the ceremonial launch of the first production line and the receipt of the first batch of goods took place.
- In April 2018, the production of RUF fuel briquettes was mastered.
- In 2019, the second production line was launched, which allowed to increase production to 120,000 cubic meters.
- In December 2020, the film-faced plywood line was launched.
- In 2021, a fuel pellet production workshop was built and launched.
- In 2023, the Raute R3 veneer peeling line is planned to launch.
- «Murashinsky Plywood Plant», LLC is one of the most modern plywood industries in Russia today.



BIRCH PLYWOOD (FSF)



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100% birch large-size plywood with high durability and better moisture resistance. Ultra-low formaldehyde emission E 0.5. Due to these properties, plywood is widely used for both internal and external work.

ADVANTAGES

- Better moisture resistance
- High strength and wear resistance
- Large format
- Resistance to temperature differentials
- 100% birch plywood
- Possibility of application for internal and external works
- Ultra-low formaldehyde emission E 0.5, CARB ULEF



APPLICATION

- Furniture and interior - Grade: B/BB, S/BB, BB/BB, BB/CP, CP/CP, CP/C, C/C
- Toys and children's furniture - Grade: B/BB, S/BB, BB/BB, BB/CP,
- Parquet board - Grade: CP/CP, CP/C, C/C
- Transport - Grade: BB/CP, CP/CP, CP/C, C/C
- Packaging - Grade: CP/C, C/C
- Construction - Grade: CP/C, C/C

TECHNICAL CHARACTERISTICS OF BIRCH PLYWOOD (FSF)

Format (length x width), mm	2440x1220, 1220x2440, 2500x1250, 1250x2500
Thickness, mm	3/4/6/6,5/9/12/15/16/18/21/24/27/30/35/40
Plywood grade	B/BB (I/II), BB/BB(II/II), BB/CP(II/III), BB/C(II/IV) CP/CP(III/III), CP/C (III/IV), C/C(IV/IV)
Surface quality	sanded (S2), unsanded (NS)
Formaldehyde emission class	E0.5, CARB ULEF
Moisture resistance	Increased
Density, kg/m ³	670 – 700
Moisture,%	5 - 10
Manufactured in accordance with GOST 3916.1-2018	

STRENGTH INDICATORS

Index		Thickness, mm	Value
Static bending strength, MPa, not less than	Along the fibers of outer layers	6,5 - 40	60
	Across the fibers of outer layers	6,5 - 40	45
Modulus of elasticity at static bending, Mpa, not less than	Along the fibers	6,5 - 40	6300
	Across the fibres	6,5 - 40	3600

FILM FACED PLYWOOD

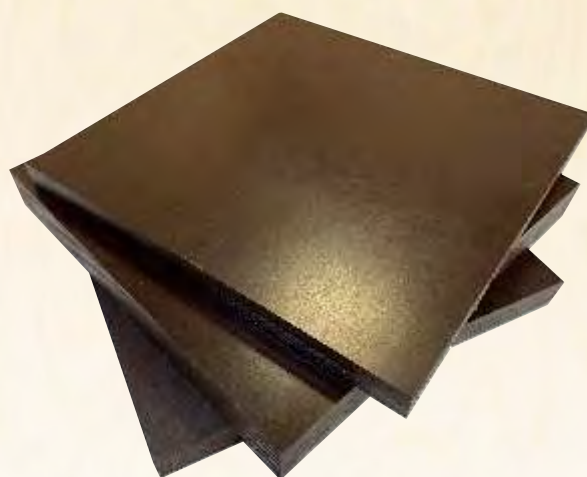


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Film faced plywood is a high-quality birch plywood covered with a special material - resin-impregnated paper, which acquires properties of a protective film during the production process. Thanks to the film, birch plywood becomes more resistant to moisture, abrasion, and mechanical damage. The ends of film faced plywood are treated with waterproof acrylic paint. Film faced plywood is produced with a smooth and mesh surface. It is widely used in construction and transport engineering.

ADVANTAGES

- High wear resistance
- Better moisture resistance
- High strength
- Large format
- Resistance to temperature differentials
- 100% birch plywood
- Possibility of ordering with a mesh surface to protect against sliding
- Ultra-low emission of formaldehyde E1, CARB ULEF



APPLICATION

- Construction F/F
- Transport F/F, F/W
- Packaging F/F, F/W

TECHNICAL CHARACTERISTICS OF FILM FACED PLYWOOD

Format (length x width), mm	2440x1220, 1220x2440, 2500x1250, 1250x2500
Thickness, mm	6/6,5/9/12/15/18/21/24/27/30
Plywood grade	I/I, I/II
Type of surface	smooth/ smooth (F/F), smooth / mesh (F/W)
Density of film, gr/m ²	120, 220
Formaldehyde emission class	E1, CARB ULEF
Moisture resistance	Increased
Density, kg/m ³	670 – 700
Moisture, %	5 – 10
End facing	Acrylic based waterproof paint
It is made in accordance with GOST 53920-2010	

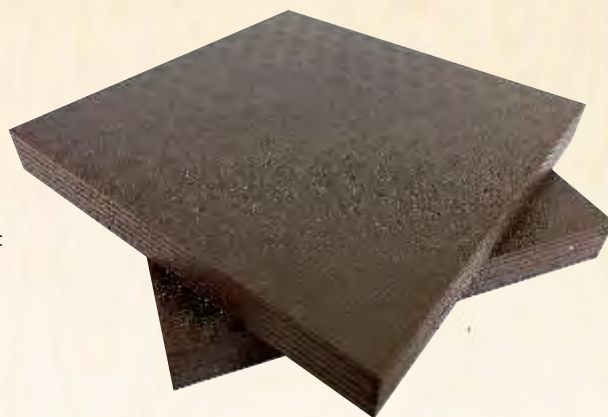
STRENGTH INDICATORS

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	Across the fibers of outer layers	6,5 - 40	45
Modulus of elasticity at static bending, Mpa, not less than	Along the fibers	6,5 - 40	6300
	Across the fibres	6,5 - 40	3600

This is high-quality birch plywood covered with anti-slip Hexa coating. Thanks to the anti-slip wear-resistant coating, it can be used for floors of light vehicles, sports and concert venues.

ADVANTAGES

- Anti-slip properties
- High wear resistance
- Better moisture resistance
- High strength
- Large format
- Resistance to temperature differentials
- 100% birch plywood
- Ultra-low emission of formaldehyde E1, CARB ULEF



APPLICATION

- Transport
- Floors for sports and concert venues

TECHNICAL CHARACTERISTICS OF FILM FACED PLYWOOD

Format (length x width), mm	2440x1220, 1220x2440, 2500x1250, 1250x2500
Thickness, mm	6/6,5/9/12/15/18/21/24/27/30
Plywood grade	I/I, I/II
Type of surface	smooth/ smooth (F/F), smooth / mesh (F/W)
Density of film, gr/m ²	120, 220
Formaldehyde emission class	E1, CARB ULEF
Moisture resistance	Increased
Density, kg/m ³	670 – 700
Moisture, %	5 – 12
End facing	Acrylic based waterproof paint
It is made in accordance with GOST 53920-2010	

STRENGTH INDICATORS

Index		Thickness, mm	Value
Static bending strength, MPa, not less than	Along the fibers of outer layers	6,5 - 40	60
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Pellets, or wood pellets, is a type of biofuel, which presents compressed pellets by nature. They are made of dried shredded wood waste without mineral impurities and foreign particles. It is 100% birch. Pellets are used for heating both residential and non-residential premises. Since pellets are made of wood waste, without chemicals, they are safe and environmentally friendly. According to their energy characteristics, pellets are not inferior to traditional types of fuel. High density, low humidity and size standardization allow them to obtain a large amount of energy during their combustion and accurately dose their amount during automated supply.

BENEFITS OF USING PELLETS

- High heat transfer
- Low ash content
- Environmental friendliness
- Convenient storage
- Technical characteristics

PACKAGING

Fuel pellets are packed in big bags from 1000 to 1200 kg. or packed in plastic bags from 5 to 20 kg.



SPECIFICATIONS

Indicator name	Nominal value
Material content (timber species)	Birch, 100%
Diameter, mm	6
Humidity, %	≤10
Mechanical performance, %	>97,5
Ash content, %	≤0,7
Mass fraction of total moisture in working condition of fuel, %	≤10
Low heat value, kcal /kg	4200
Poured density, kg/m ³	>600

FUEL BRIQUETTES



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TRUF fuel briquettes are a type of solid fuel, an alternative to ordinary wood or coal, which is a pressed mass of woodworking waste. Thanks to its environmental friendliness and usability, fuel briquettes have gained great popularity as a universal fuel for fireplaces, furnaces and solid fuel boilers.

ADVANTAGES

- Long burning time
- Usability
- High heat transfer
- Do not require large storage space
- Waterproof packing

PACKAGING

Briquettes are packed in a plastic bag in 12 pieces.

There are placed 96 packages on the pallet, which are fixed with stretch film. The weight of a pallet is 960 kg.



SPECIFICATIONS

Indicator name	Nominal value
Material (wood species), content	Birch, 100%
Length, mm	90-100
Width, mm	150 (+5)
Thickness, mm	60 (+3)
Ash content, %	≤1,0
Mass fraction of total moisture in fuel operating condition, %	≤10
Net calorific value of working fuel, kcal/kg	4400
Specific density, kg/m ³	940±50

TECHNICAL INFORMATION

TRANSPORT LOADING RATE

Plywood format	Eurotruck		Container		Wagon	
	Number of packages	Volume, m ³	Number of packages	Volume, m ³	Number of packages	Volume, m ³
(4x8x4) 1220x2440x1220	24-25	30	30-32	37	78-80	92-95
(4x8x4) 1250x2500x1250	24-25	30	30-32	37	72-78	88-95

NUMBER OF SHEETS AND LAYERS IN A PACKAGE

Thickness plywood (mm)	Number of layers	Number of sheets in a package (pcs)	Package volume (m ³) 2440x1220	Package volume (m ³) 2500x1250
4,00	3	100	1,191	1,250
6,00	5	64	1,143	1,200
6,50	5	62	1,200	1,259
8,00	6	50	1,191	1,250
9,00	7	44	1,179	1,238
12,00	9	33	1,179	1,238
15,00	11	26	1,161	1,219
16,00	12	25	1,191	1,250
18,00	13	22	1,179	1,238
21,00	15	19	1,188	1,247
24,00	17	16	1,143	1,200
27,00	19	14	1,125	1,181
30,00	21	12	1,072	1,125
35,00	25	11	1,146	1,203
40,00	29	10	1,191	1,250

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