



MURASHINSKIY  
PLYWOOD  
PLANT



# CATALOG

LLC «MURASHINSKY PLYWOOD PLANT»

# ABOUT THE COMPANY

---



MURASHINSKIY  
PLYWOOD  
PLANT

- «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)



MURASHINSKIY  
PLYWOOD  
PLANT

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 <sup>3</sup>                       | 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



MURASHINSKIY  
PLYWOOD  
PLANT

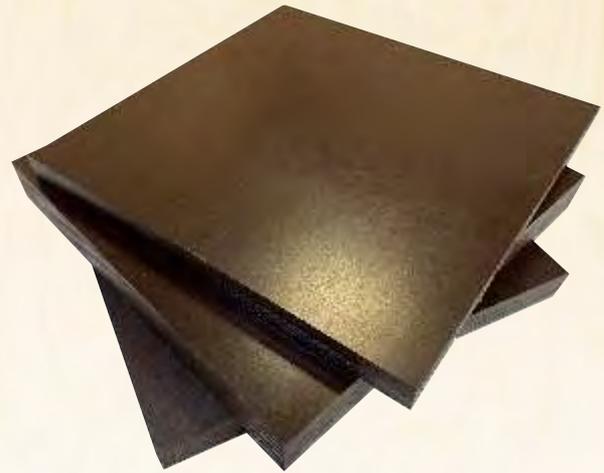
Film faced plywood is a high-quality birch plywood covered with a special material - resin-impregnated paper, which acquires properties of a protective film during the production process. Thanks to the film, birch plywood becomes more resistant to moisture, abrasion, and mechanical damage. The ends of 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 <sup>2</sup>            | 120, 220                                   |
| Formaldehyde emission class                   | E1, CARB ULEF                              |
| Moisture resistance                           | Increased                                  |
| Density, kg/m <sup>3</sup>                    | 670 – 700                                  |
| Moisture,%                                    | 5 – 10                                     |
| 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    |
|   | 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 <sup>2</sup>            | 120, 220                                   |
| Formaldehyde emission class                   | E1, CARB ULEF                              |
| Moisture resistance                           | Increased                                  |
| Density, kg/m <sup>3</sup>                    | 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    |
|   | 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  |

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 <sup>3</sup>                               | >600          |

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 <sup>3</sup>                            | 940±50        |

# TECHNICAL INFORMATION

## TRANSPORT LOADING RATE

| Plywood format            | Eurotruck          |                        | Container          |                        | Wagon              |                        |
|---------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|
|                           | Number of packages | Volume, m <sup>3</sup> | Number of packages | Volume, m <sup>3</sup> | Number of packages | Volume, m <sup>3</sup> |
| (4x8x4)<br>1220x2440x1220 | 24-25              | 30                     | 30-32              | 37                     | 78-80              | 92-95                  |
| (4x8x4)<br>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 <sup>3</sup> ) | Package volume (m <sup>3</sup> ) |
|------------------------|------------------|-------------------------------------|----------------------------------|----------------------------------|
|                        |                  |                                     | 2440x1220                        | 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                            |

**LLC MURASHINSKY PLYWOOD PLANT**  
**613711, Kirov region, Murashi, Garazhnaya str., 10**

**Office: 610020, Kirov, Derendyaeva str., 17**

**Tel: +7 (8332) 32-61-51**

**E-mail: info@mfzavod.com, sale@mfzavod.com**

**WWW.MFZAVOD.COM**