



PRODUCT PRESENTATION

BIRCH
PLYWOOD



ABOUT US

Plyterra Group is the Russian manufacturer of high-quality birch plywood from 100% domestic raw materials



75 countries

acquainted
with our products



Top-5

birch plywood
manufacturers in
Russia



200 000 m³

plywood manufacturing
volume per year



100%

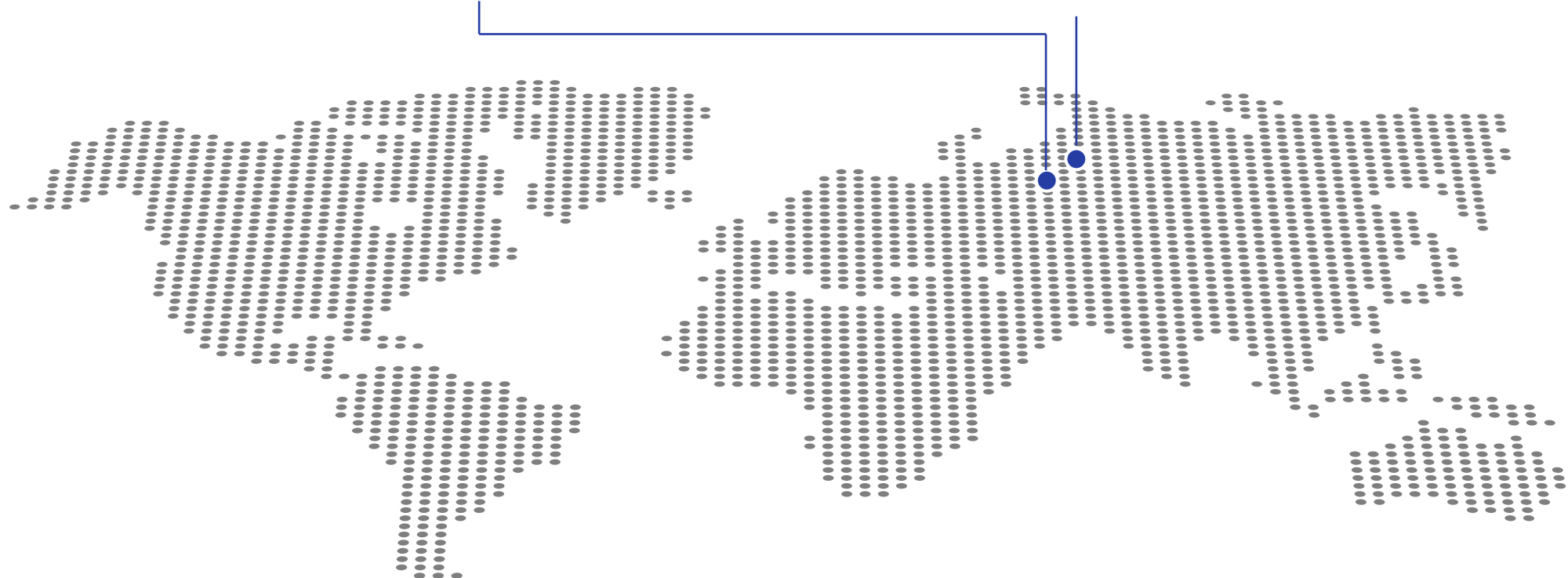
raw materials
from domestic sources



Umet, Republic of Mordovia



Nizhniy Lomov, Penza Region



COMPANY STRUCTURE



Representative Office

Moscow
Russia

Management Company

Saransk
Republic of Mordovia / Russia

Production site

JSC «Plyterra»
Republic of Mordovia
Russia

Production site

JSC «Plywood Factory
«Vlast Truda»
Penza Region
Russia



OUR GUARANTEES

1



GUARANTEE OF ON-TIME ORDER FULFILMENT

We value your time and do our best to fulfil your order on time.

3



GUARANTEE OF LOYALTY AND SUPPORT

We are ready to provide support at every stage of co-operation because we value our relationship. Long-term partnership based on trust is our core value.

2



GUARATEE OF FLEXIBILITY

We are ready to meet your demands and modify the terms and conditions of your order according to your requirements: manufacturing date, range, destination – everything can be changed for the convenience of our partners.

4



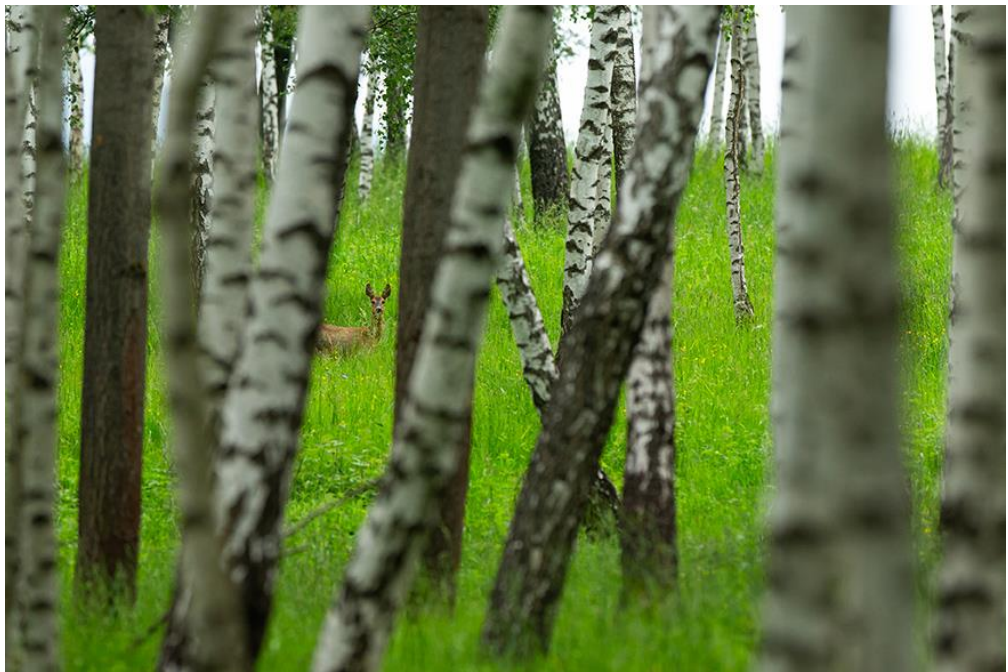
GUARANTEE OF HONESTY

Openness and transparency at every stage of our co-operation is the main value of our company.

SUSTAINABLE DEVELOPMENT. RESPONSIBLE BUSINESS



Legality of procurement
and supply of wood,
origin awareness



Conservation of forests
of high environmental
value and biodiversity of
forest ecosystems



Utilization of by-products
from the waste of
plywood manufacturing
as raw materials for
pellets, briquettes
manufacturing



Establishment of environmentally friendly and
climate-neutral manufacturing processes



Implementation of
inexhaustible forest
exploitation principles



Plyterra Birch Exterior



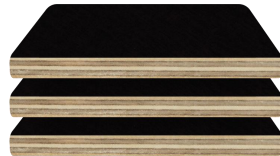
Raw birch plywood
PF exterior glue

Plyterra Birch Interior



Raw birch plywood
UF interior glue

Plyterra Deck



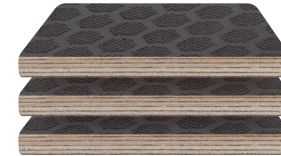
Durable film-faced plywood
with smooth surface

Plyterra Antislip Wire



Wear-resistant antislip
film-faced plywood
with wire-mesh pattern

Plyterra Antislip Hexa



Wear-resistant antislip
film-faced plywood
with hexa-mesh pattern

Plyterra Prime



Plywood with a surface
prepared for painting

Plyterra Parquet



Plywood with special
thickness tolerances

PlyGuard



Fire-retardant
plywood

PlyGuard Phon



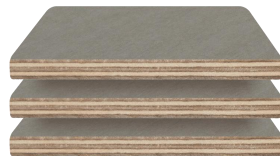
Sound-insulation
fire-retardant plywood

Plyterra Light



Lightweight plywood
made of mixed veneer

Plyterra Deck Grey



New generation of
film-faced plywood
for concrete formwork

Plyterra Color



Plywood
overlaid with durable
melamine film

Plyterra CrystalPly



Birch plywood
overlaid with
transparent melamine film

Plyterra Laser



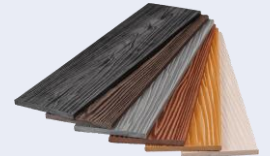
Plywood
for laser cutting

Plyterra Composite



Plywood
overlaid with
HPL, CPL or fiberglass

GREENWERK



Products made of
wood-polymer composite

Sawn timber



Pine sawn timber

EcoHeat



Fuel briquettes RUF
and pellets

PLYWOOD GRADES



1 (B) grade

1 (B) grade is almost without defects, only a few sound knots with a diameter of up to 15 mm are allowed



2 (BB) grade

2 (BB) grade allows patches on the surface of the sheet. Knots and open defects are repaired with veneer inserts



3 (CP) grade

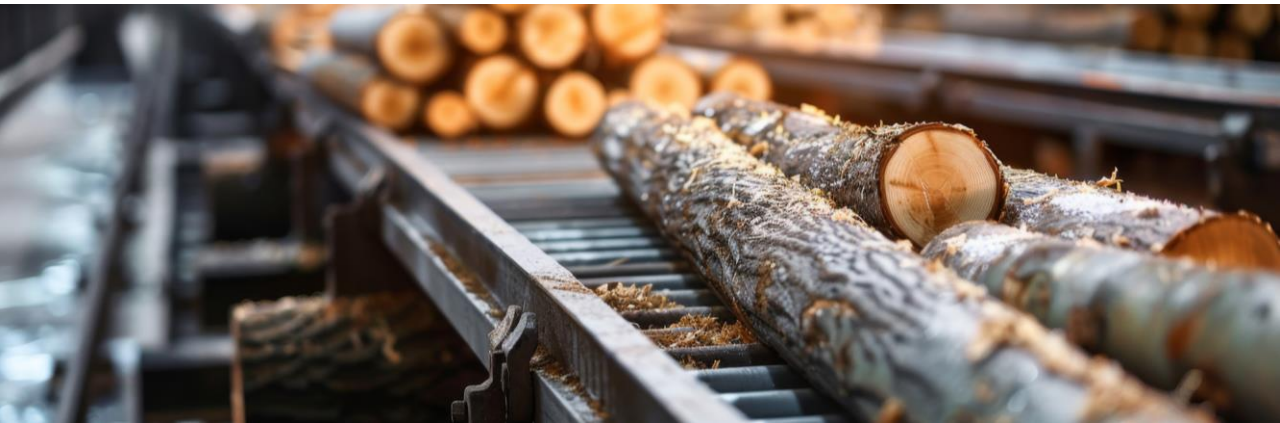
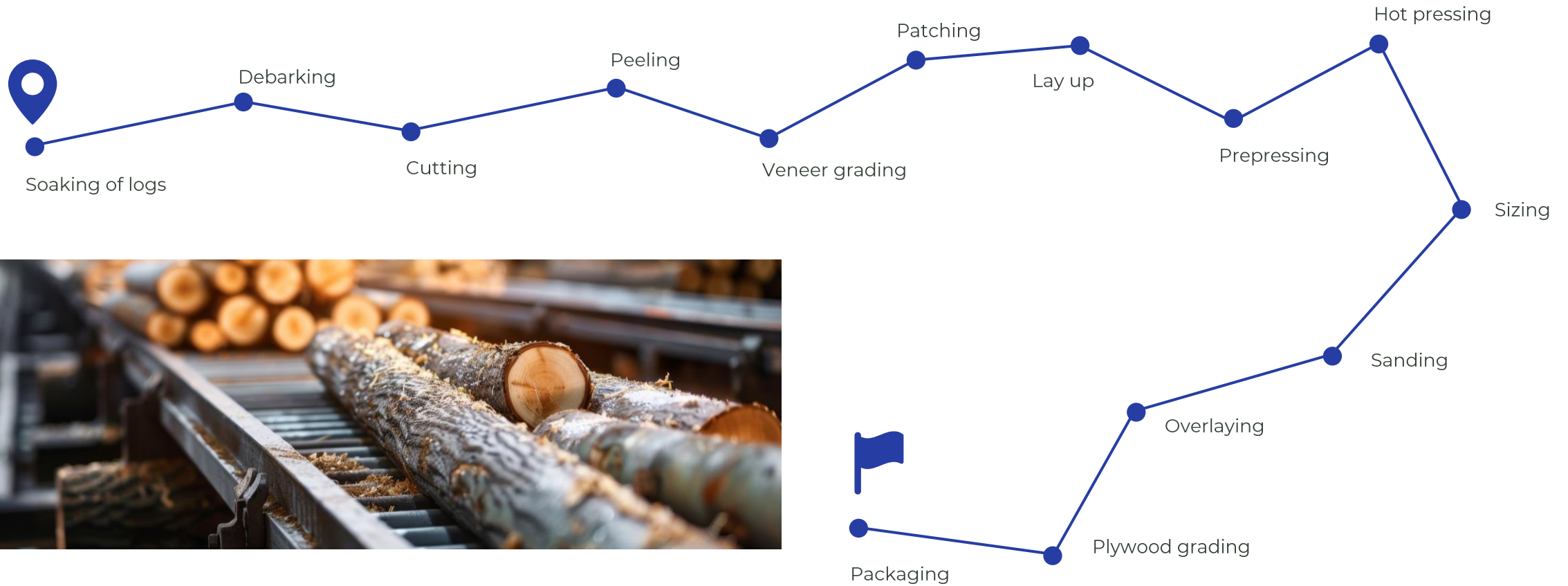
3 (CP) grade allows partly accrete, single and loose knots with a diameter of no more than 6 mm in the amount of 10 pcs. per 1 m² of the sheet surface



4 (C) grade

4 (C) grade allows many manufacturing defects, a strong gluing is guaranteed

PLYWOOD MANUFACTURING PROCESS



Manufacturing



MAIN PRODUCT LINE

Plyterra Birch Exterior
Plyterra Birch Interior
Plyterra Deck
Plyterra Antislip Wire
Plyterra Antislip Hexa
Plyterra Prime
Plyterra Parquet
PlyGuard
PlyGuard Phon
Plyterra Light

PLYTERRA BIRCH EXTERIOR



Construction
Transport industry
Packaging

Plyterra Birch Exterior is a brand of WBP birch plywood. It has increased water resistance due to the usage of a glue based on phenol-formaldehyde resin. According to the Independent German Institutes reports the formaldehyde emission level is absolutely safe for human health and the environment. That is why our WBP plywood received ULEF status from CARB. The plywood can be overlaid with HPL (high-pressure laminate) or fiberglass.



Advantages:



Resistance to moisture impact



Exceptional durability



Excellent bonding properties



Wide range of thicknesses and sizes



Easy to use and process



Specifications:

Thicknesses, mm	4, 6, 6,5, 8, 9, 10, 12, 15, 16, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C)
Types of surface	not-sanded (NS) and both sides sanded (S2), overlaid with HPL, fiberglass
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA BIRCH INTERIOR

Plyterra Birch Interior is a brand of MR birch plywood for indoor applications. It is an environmentally friendly material due to the usage of a glue based on urea-formaldehyde resin. The alternation of cross and long grain veneer eliminates the chances of the plywood deformation and cracking.



Advantages:



High strength and durability



Safe for human health and the environment



Beautiful texture of birch wood



Light weight



Wide range of thicknesses and sizes

Specifications:

Thicknesses, mm	4, 6, 8, 9, 10, 11, 12, 14, 15, 17, 18, 20, 21, 24, 25, 30
Sizes, mm	1525x1525, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Types of surface	not-sanded (NS) and both sides sanded (S2)
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²



Furniture manufacturing
Interior decoration
Toys manufacturing



PLYTERRA DECK



Construction
Transport industry
Packaging

Plyterra Deck is a brand of ultra-durable birch plywood filmed on both sides with a high-density phenolic paper film. The durable smooth film impregnated with phenol-formaldehyde resin makes birch plywood more resistant to mechanical damage, moisture absorption and sunlight. The edges of film-faced plywood are covered with acrylic paint.



Advantages:

Strength and durability

High resistance to surface abrasion (Taber Test)

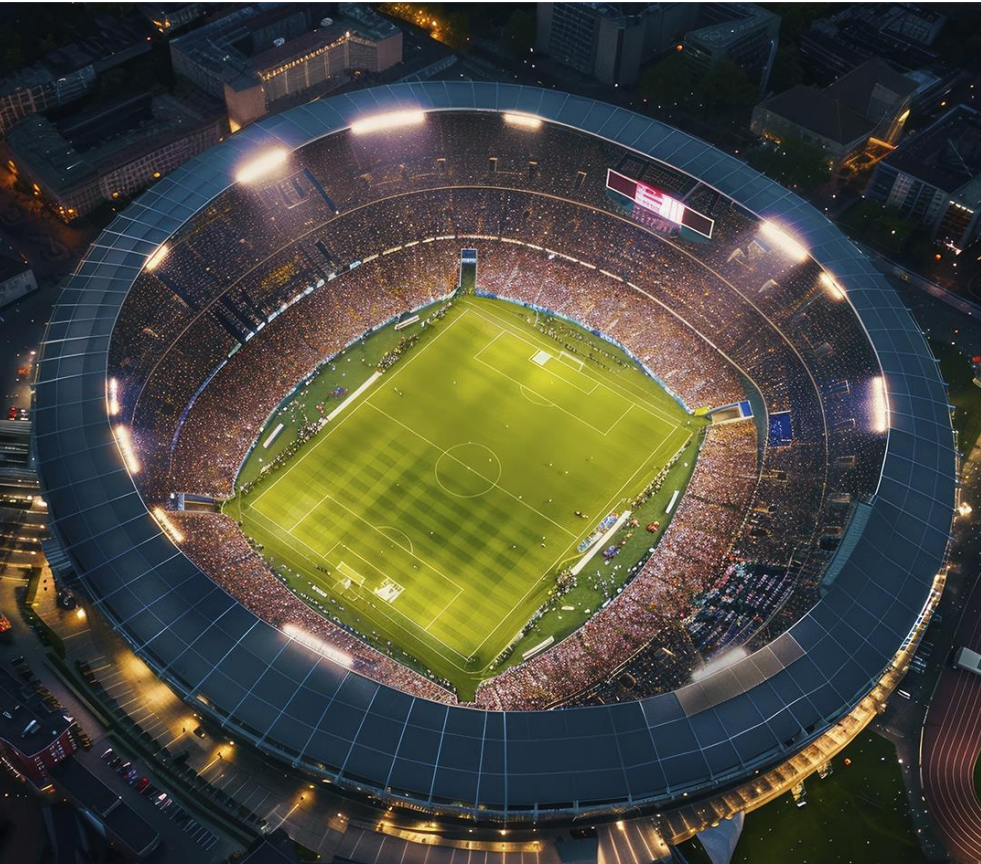
Resistance to environmental conditions and mechanical damage

Increased water-resistance

Wide range of film colors and densities

Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 16, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1525x3050, cut-to-size
Grade	1/1 (B/B)
Type of surface	smooth/smooth (F/F)
Film density, g/m²	120/120, 120/220, 220/220
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²



PLYTERRA ANTISLIP WIRE



Construction
Transport industry
Packaging

Plyterra Antislip Wire is a brand of wear-resistant film-faced birch plywood with antislip surface. Both sides of plywood are overlaid with phenolic film. One side has slip-resistant wire-mesh surface. Plyterra Antislip Wire is perfect for the manufacturing of wear-resistant surfaces such as heavy-duty commercial transport floors. The films of various colors and densities are available. The edges of film-faced plywood are covered with acrylic paint to prevent moisture absorption.



Advantages:



Maximum
slip resistance



High resistance
to surface abrasion
(Taber Test)



Resistant to the
impact of roller wheels
of material handling
equipment



Resistance to
environmental
conditions and
mechanical damage



High
load-bearing
capacity



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 19, 21, 24, 27, 30, 35, 40
Sizes,	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grade	1/1 (B/B)
Type of surface	smooth/wire (F/W)
Film density, g/m ²	120/120, 120/220, 220/220
The formaldehyde emission (limit value 3,5 mg/h x m ²)	0,1-0,3 mg/h x m ²

PLYTERRA ANTISLIP HEXA

Plyterra Antislip Hexa is a brand of decorative film-faced birch plywood with antislip surface. Both sides of plywood are overlaid with phenolic film. One side has slip-resistant hexa-mesh surface. Combining multifunctionality and beautiful visual properties Plyterra Antislip Hexa has a wide range of applications. The films of various colors and densities are available. The edges of film-faced plywood are covered with acrylic paint to prevent moisture absorption.



Advantages:

Decorative antislip surface

Resistance to environmental conditions and mechanical damage

High resistance to surface abrasion (Taber Test)

Possibility of deep imprints

High load-bearing capacity



Transport industry
Interior decoration
Construction



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grade	1/1 (B/B)
Type of surface	smooth/hexa (F/H)
Film density, g/m²	120/120, 120/220, 220/220
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA PRIME

Plyterra Prime is a brand of birch plywood overlaid with paper-based melamine film that makes a surface prepared for painting. Plyterra Prime is suitable for indoor and outdoor use, provided that the coating materials meet the environmental conditions. The neutral grey film serves as an excellent base for the application of any color. That is why, plywood with the surface prepared for painting is the perfect solution for bright individual projects.



Advantages:



Perfect surface for neat and easy painting



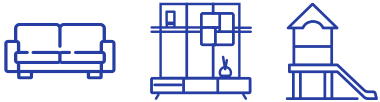
Saving time and paint materials



Wear-resistant surface without cracks



Easy painting and lacquering without any treatment



Furniture manufacturing
Interior and exterior decoration
Playgrounds and sports grounds



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 или 1220x2440; 1250x2500 или 2500x1250; 1525x1525; 1500x3000; 1525x3050, раскрой под нужный формат
Grade	1/1 (B/B)
Type of surface	smooth/smooth (F/F)
Film density, g/m²	140, 220
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA PARQUET



Parquet manufacturing

Plyterra Parquet is a brand of birch plywood for parquet manufacturing with strict thickness tolerances and improved surface quality in comparison with GOST requirements. It has been developed to meet specific requirements of engineered wood flooring manufacturers is widely used by them all over the world. It is possible to manufacture non-standard sizes and to use solid veneer in the inner layers to enhance the strength properties.



Advantages:



High strength and durability



Resistance to moisture impact



Complete absence of healthy color changes in B and BB grades



Special thickness tolerances



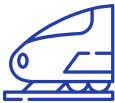
Extended list of puttied defects in CP grade



Specifications:

Thicknesses, mm	6, 6,5, 8, 9, 10, 12, 15
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C)
Type of surface	both sides sanded (S2)
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYGUARD



Shipbuilding
Railcar building
Construction

PlyGuard is a special brand of WBP birch plywood that has unique fire-resistance properties. All layers of veneer are impregnated with a special flame-retardant compound, making PlyGuard a high-tech material. That is why the product meets the strictest fire safety requirements and does not require any additional processing during subsequent cutting. Fire-retardant panels can be overlaid with decorative HPL or fiberglass.



Advantages:



Moderate smoke-generating capacity



Inflame-resistant and low flammable



Moderately dangerous in terms of the toxicity of combustion products



Exceptional strength and hardness



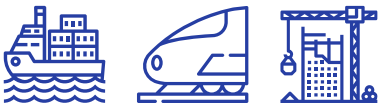
Excellent capacity to hold fasteners

Specifications:

Thicknesses, mm	4, 6, 8, 9, 10, 12, 15, 16, 18, 19, 20, 21, 22, 24, 25, 28, 30
Sizes, mm	1525x1525, 1220x2440, 1250x2500, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Types of surface	not-sanded (NS) and both sides sanded (S2), coated with resin, overlaid with HPL, fiberglass
The formaldehyde emission (limit value 3,5 mg/h x m ²)	0,1-0,3 mg/h x m ²



PLYGUARD PHON



Shipbuilding
Railcar building
Construction

PlyGuard Phon is a special brand of WBP birch plywood that has unique sound-insulation and fire-resistance properties. In addition to birch veneer, the panel structure includes a layer of sound-absorbing material, the function of which can be performed by a technical cork, rubber or a composite material made of cork and rubber crumbs. The choice of sound-absorbing material depends on the preferences of the customer and the scope of product application: plywood with a layer of technical cork has a lighter weight compared to standard plywood, while the rubber layer absorbs vibration and provides a higher level of noise insulation.



Advantages:



Moderate smoke-generating capacity



Inflame-resistant and low flammable



Moderately dangerous in terms of the toxicity of combustion products



Exceptional sound-insulation properties



Possibility to choose the thickness of the insulating material



Specifications:

Thicknesses, mm	11, 13, 15, 17, 19, 21, 23
Sizes, mm	1500x1500, 1220x2440, 1450x2950 cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Types of surface	not-sanded (NS) and both sides sanded (S2), overlaid with HPL
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA LIGHT

Plyterra Light is a brand of lightweight plywood made of mixed veneer. This product is suitable for projects where there are specific requirements for the weight of the material. The combination of hardwood (birch) and softwood (aspen) species leads to a significant weight reduction of the panels.



Advantages:

15-20% weight reduction

Excellent capacity to hold fasteners

Face made of durable birch veneer

Easy to cut and process

Availability of various coating materials

Specifications:

Thicknesses (unfaced), mm	15, 19
Thicknesses (overlaid with HPL on both sides), mm	17, 21
Sizes, mm	1525x1525; 2950x1525, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C)
Types of surface	not-sanded (NS) and both sides sanded (S2), overlaid with HPL
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,2 mg/h x m²



Furniture manufacturing
Construction
Interior decoration



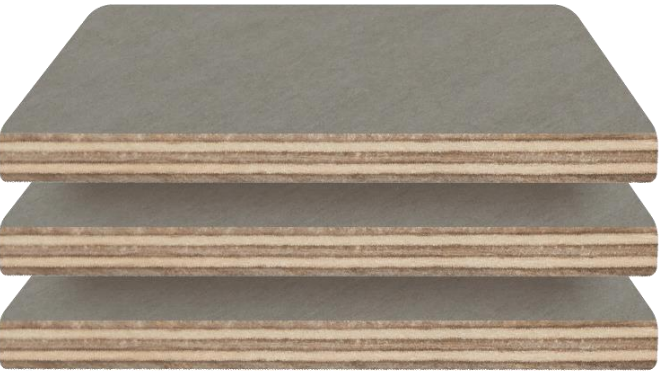


CUSTOMIZED PRODUCTS

Plyterra Deck Grey
Plyterra Color
Plyterra CrystalPly
Plyterra Laser

PLYTERRA DECK GREY

Plyterra Deck Grey is a brand of film-faced plywood of new generation. The plywood is overlaid on both sides with film made of high-density paper impregnated with phenol-formaldehyde resin. The surface of Plyterra Deck Grey matches the concrete color which makes it perfect for concrete formwork. The edges of film-faced plywood are covered with acrylic paint to prevent moisture absorption.



Advantages:



Resistance to moisture impact is doubled



High level of resistance to aggressive alkalis



Resistance to UV-radiation is increased



Easy marking



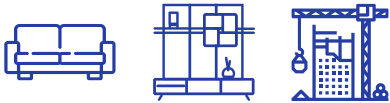
Construction
Transport industry
Packaging



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grade	1/1 (B/B)
Type of surface	smooth/smooth (F/F)
Film density, g/m²	120/120, 120/220, 220/220
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA COLOR



Furniture manufacturing
Interior and exterior decoration
Construction

Plyterra Color is a brand of birch plywood overlaid on both sides with durable melamine film. Resistance to external factors along with a wide range of bright rich colors makes it possible to use Plyterra Color not only in interior design but also outdoors. The density and color of the film can be chosen based on the final use. In order to improve the surface quality and significantly increase wear-resistance, melamine film can be applied on underlays.



Advantages:



Resistance to moisture impact and UV-radiation



Available with wire-mesh and hexa-mesh patterns



Resistance to mechanical damages and chemicals



Surface does not require any additional treatment



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 19, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 or 1220x2440; 1250x2500 or 2500x1250; 1525x1525; 1500x3000; 1525x3050, cut-to-size
Grade	1/1 (B/B)
Type of surface	smooth/smooth (F/F)
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA CRYSTALPLY

Plyterra CrystalPly is a brand of film-faced birch plywood that comprises the beauty of peeled birch veneer and advantages of melamine film. The transparent film significantly improves the performance of the surface. Moreover, the film does not crack or deform during the mechanical processing of the panels: during the installation of fasteners, assembly, cutting to size, bonding, CNC processing.



Advantages:



Resistance to moisture impact and UV-radiation



Wear-resistant decorative surface of birch veneer



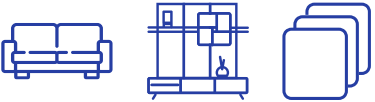
Natural wood aesthetics



Resistance to mechanical damages and chemicals



Easy to maintain



Furniture manufacturing
Interior decoration
Decorative panels



Specifications:

Thicknesses, mm	6,5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40
Sizes, mm	2440x1220 или 1220x2440; 1250x2500 или 2500x1250; 2500x1525; 1525x3050, раскрой под нужный формат
Grade	1/1 (B/B)
Type of surface	smooth/smooth (F/F)
Film density, g/m²	120/120
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

PLYTERRA LASER

Plyterra Laser is a brand of birch plywood for laser cutting manufactured with a glue based on urea-formaldehyde resin. We use only solid birch veneer for inner layers with a minimum number of defects to manufacture Plyterra Laser. It helps to eliminate voids inside the product. The material is used for many purposes including cutting dies manufacturing.



Advantages:



Carefully selected solid core and face veneers



Perfectly smooth, wear-resistant and easy to process surface



Strict thickness tolerances and dimensional stability



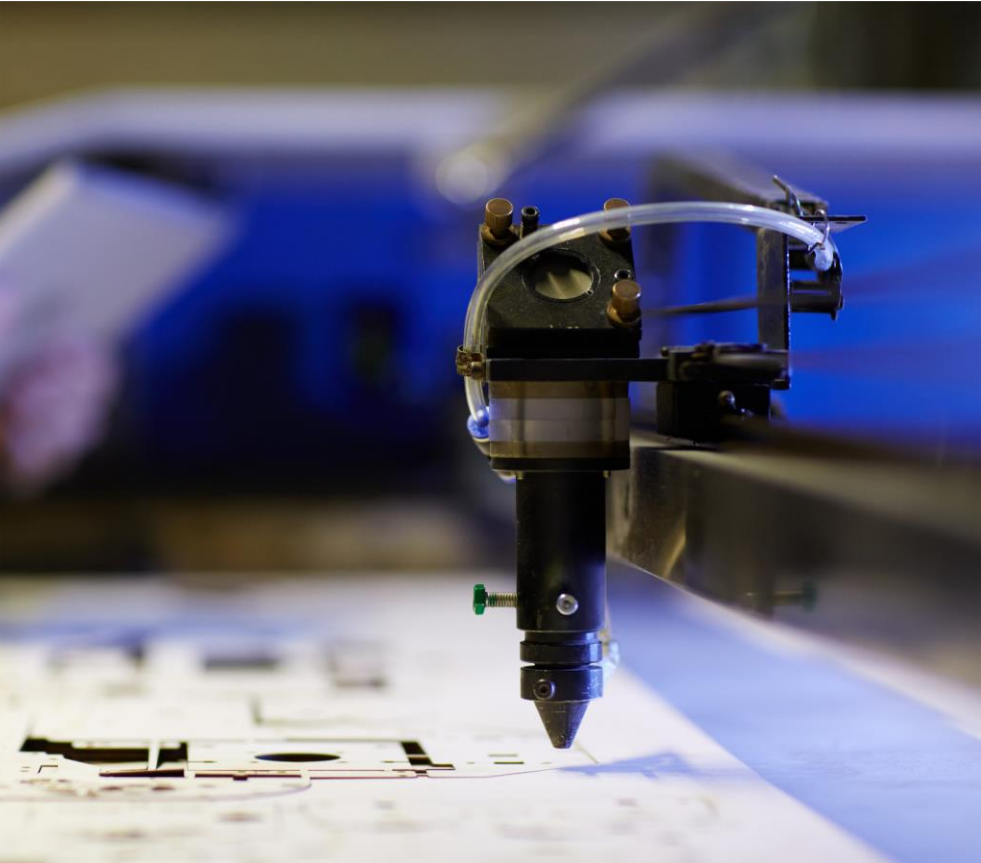
No combustion under laser beam influence



No harmful fumes during cutting process



Cutting dies manufacturing
Toys manufacturing
Furniture manufacturing



Specifications:

Thicknesses, mm	6, 8, 9, 10, 11, 12, 14, 15, 17, 18, 20, 21, 24, 25, 30
Sizes, mm	1525x1525, cut-to-size
Grades	1/2 (B/BB), 2/2 (BB/BB)
Type of surface	sanded on both sides (S2)
The formaldehyde emission (limit value 3,5 mg/h x m²)	0,1-0,3 mg/h x m²

GREENWERK wood-polymer composite (WPC) products

WPC is a modern eco-friendly material for facade cladding, terrace construction, decking and other things for landscaping. Environmental friendliness and high performance properties of our boards are the result of a well-balanced formula.

Available colors:



Hollow decking



Length:
3, 4 m



Surface texture:
wood, fine corduroy



Width x height:
146 x 24 mm



Laying method:
joint



Fencing board



Length:
3, 4 m



Surface texture:
wood on both sides



Width x height:
140 x 11 mm



Solid decking



Length:
3, 4 m



Surface texture:
wood, fine corduroy



Width x height:
150 x 21 mm



Laying method:
joint



Steps



Length:
3, 4 m



Surface texture:
wood, thick-stripe corduroy



Width x height:
320 x 24 mm



OTHER PRODUCTS

Pine sawn timber

Pine sawn timber is a durable and eco-friendly building material that meets high quality standards. Processing on modern equipment and compliance with the technological process at all stages of ensure minimum costs in the sawn timber manufacturing and therefore allow to make it affordable to the consumer.



EcoHeat pellets

Pellets are fuel granules manufactured from natural wood chips and sawdust, which has not been pre-treated and does not contain impurities. This eco-fuel has high energy efficiency, low carbon dioxide emissions and minimal waste after combustion.



EcoHeat fuel briquettes

Fuel briquettes are an environmentally safe source of energy. Such fuel is manufactured from pure saw dust preliminary dried and pressed under high pressure and temperature without any chemical binding agents. Adhesion is the result of lignin release from plant cells.



Industrial wood chips

Industrial wood chips are cut or chipped wood of standard size and shape intended for further processing. Industrial wood chips have a wide range of applications and are one of the most important types of renewable wood resources, helping to reduce the consumption of primary wood and increase the efficiency of forest resource processing.



CONTACT DETAILS



Headquarters

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Republic of Mordovia, 430031



Production site

1 Leninskaya Street, Umet,
Zubovo-Polyanskiy Region,
Republic of Mordovia, 431105



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office@plyterra.ru



<https://plyterra.com>

About our products in other languages



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[PLYTERRA.CN](https://plyterra.cn)



[PLYTERRA.AE](https://plyterra.ae)

