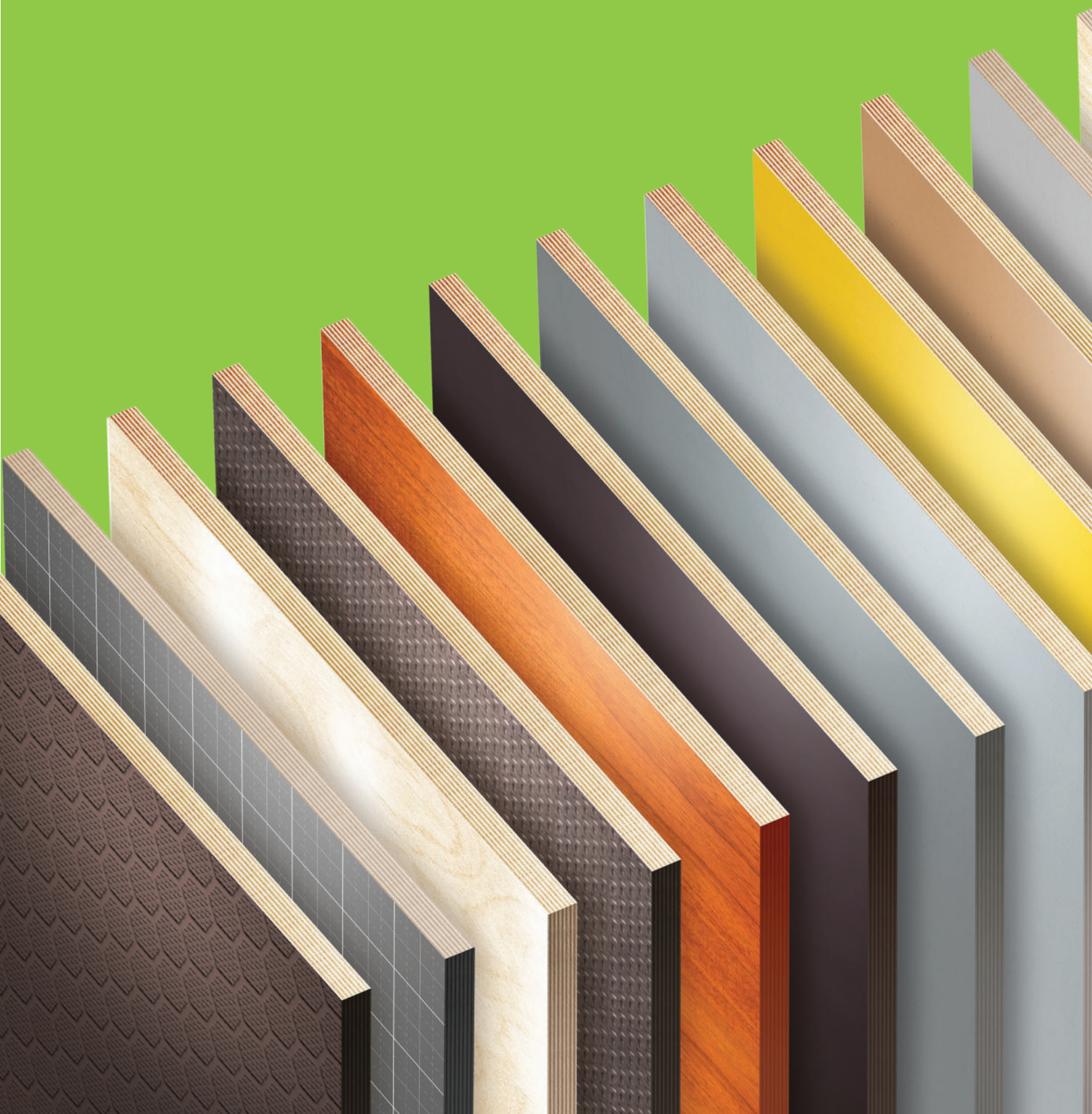
KINTER WOOD

PRODUCT AND APPLICATIONS



Kinter wood is the leader in film faced plywood production in China

KINTER WOOD is a Chinese company, the leader in the plywood market. KINTER WOOD products have earned customer loyalty in 80 countries across the world. They are used in high-rise building and Olympic venue construction, long-haul trailer and high-speed train production, and eco-friendly furniture and trendy interior design.
The company was established in China in 1998 . Along the way, KINTER has upgraded its production with the cutting edge technology and quipment.
KINTER WOOD's annual production is 6,000 m^3.

KINTER —Construction formwork plywood

01 **Exceptional durability**
02 **Hard surface**
03 **Unique load capacity**
04 **Keeps its properties through a temperature range of -40°C to +50°C (-40°F to +122°F)**
05 **Attractive wood texture**
06 **Easy handling**

6,000 m^3
of wood boards annually

200
employees

30 years
experience production plywood

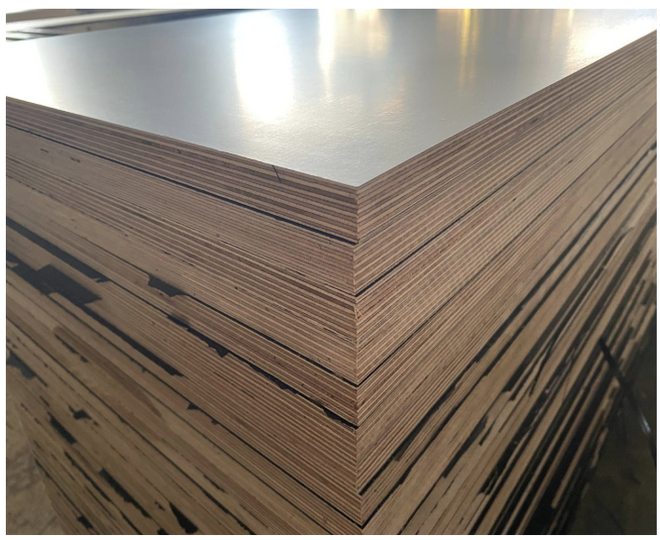
100
sizes and thicknesses

80
purchasing countries

7
mills

KINTER FILM FACED BIRCH PLYWOOD

KINTER-BIRCH is 100% birch plywood for slab formwork used in applications with stringent requirements for off-form concrete surface finishes.



Key benefits

01 **Improved water-resistant coating**
02 **Improved water-resistant edge**
03 **Protected from the effects of concrete mixtures**
04 **Absorbs less heat in sunlight**
05 **Doesn't discolor concrete**
06 **Easy to mark**
07 **Features a layout grid**
08 **Packed on lumber**

Technical specifications

Standard sizes, length x width, mm (ft)	1220x2440 (4x8x) 1250x2500 (4x8) 1500/1525x2440/2500 (5x8) 2440/2500x1500/1525 (8x5) 1500/1525x3000/3050 (5x10)
Thickness, mm	6-40
Surface type	Smooth /special smooth film (F/F)
Wear resistance of the film, cycles in Taber abrasion test	350
Formaldehyde emission class	E1
Water resistance	High
Density, kg/m³	640-700
Moisture content, %	≤ 14
Edge sealing	Waterborne acrylic paint
Produced Materials	Full Birch

Strength specifications

DIMENSION		VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	60
	across the outer layer grain	30
Static bending elasticity modulus, min MPa	along the grain	6000
	across the grain	3000

*For more information, please visit the company website www.kinterwood.com.

KINTER REGULAR FILM-FACED

Kinter Regular Film-faced is a high-quality plywood covered with resin-treated paper that turns into a protective film during production. Because of this, the surface is resistant to water, wear, chemicals, fungi and mold. Film-faced plywood is durable against concrete, so it is widely used for panel formwork. Comes with a smooth or mesh surface. Edges are sealed with waterdispersible acrylic paint. Widely used in the construction industry and vehicle production. Easy to mount and work with.

Key benefits

01 **High wear resistance**
02 **Resistance to most aggressive environments, including chemicals**
03 **Maximum protection against slippage (film with wire mesh surface)**
04 **Higher water-resistance**
05 **Resistance to temperature variation -40 to +50 °C**
06 **Comes in a variety of thicknesses and sizes**

Technical specifications

Standard sizes, length x width, mm (ft)	1220x2440 (4x8x) 1250x2500 (4x8) 1500/1525x2440/2500 (5x8) 2440/2500x1500/1525 (8x5) 1500/1525x3000/3050 (5x10)
Thickness, mm	6-40
Surface type	Smooth (F/F), smooth/wire mesh (F/W)
Film density, g/m²	120, 220
Formaldehyde emission class	E1
Water resistance	Higher
Density, kg/m³	540-650
Moisture content, %	5-14
Edge sealing	Special waterproof acrylic based paint
Produced Materials	Poplar,Eucalyptus,Birch,finger joint .....

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-40	60
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		6-8	30
Static bending elasticity modulus, min MPa	along the grain	9-40	6000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

IMPORT 100% RUASSIAN FILM FACED BIRCH PLYWOOD

Import 100% Ruassian film faced birhc plywood is a special film-faced plywood with an easy-to-use grid pattern, designed for slab formwork imported from Russia.It comes with 25, 50 and 100 mm grid patterns.These types of lines simplify plywood marking and cutting, as well as rebar placement. This allows the reduction of labor costs at the construction site. The sides of Ruassian film faced birch ply wood are coated with special acrylate-basedpaint with a high level of water resistance.

Key benefits

01 **100% birch plywood**
02 **Easy to cut and mark**
03 **Easy to put bars**
04 **Reduces work time and labor costs**
05 **Wear resistant surface**
06 **Moisture protection on the edges**
07 **Convenient packaging**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 2440/2500x1500/1525 (8x5)
Thickness, mm	18, 21
Surface type	Smooth (F/F)
Film density, g/m²	120
Wear resistance of the film, cycles in Taber abrasion test	350
Formaldehyde emission class	E1
Density, kg/m³	640-700
Moisture content, %	5-14
Edge sealing	Water-based acrylic paint
Produced Materials	Full Birch

Strength specifications

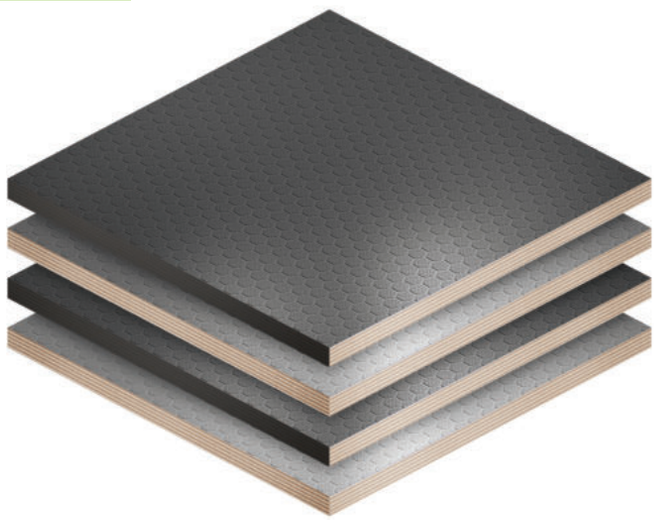
DIMENSION		VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	60
	across the outer layer grain	30
Static bending elasticity modulus, min MPa	along the grain	6000
	across the grain	3000

* Production process of plywood with layout grid is patented (registered in the Russian Federation)

*For more information, please visit the company website www.kinterwood.com.

KINTER HEXA
(Hexagonal anti-slip surface)

Kinter Hexa is a 100% birch plywood coated with film imprinted with hexagonal pattern for flooring in light commercial vehicles and other applications where slip resistance, easy care and decorative flooring are needed.



Key benefits

01 **100% birch plywood**
02 **High wear resistance (350-600 rotations according to EN 438-2:2016)**
03 **High slip resistance (R10)**
04 **Easy care**
05 **Choice of color**

Technical specifications

Standard sizes, length x width, mm (ft)	1500x3000/1525x3050 (5x10) 1220x2440/1250x2500 (4x8) 2440x1220/2500x1250 (8x4)
Thickness, mm	6-30 (thickness up to 40 mm available upon client request)
Surface type	Hexa/smooth (H/F)
Wear resistance (according to EN 438-2:2016 (taber-test)), rotations	350-600
Slip resistance (according to DIN 51130 (ramp-test))	R10
Surface color (film density)	Black (125 g/m2) Dark brown (120 g/m2)
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m³	540-700
Moisture content, %	⩽14
Produced Materials	PoplarEucalyptus,Birch

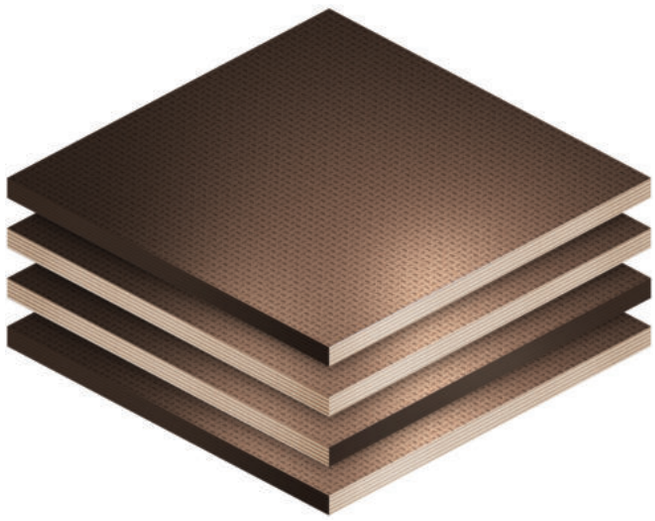
Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	9-30	60
	across the outer layer grain		30
Static bending elasticity modulus, min MPa	along the grain		6000
	across the grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER HCV
(Grain anti-slip surface)

Kinter HCV —ready-to-install the plywood flooring set performed in accordancewith trailer manufacturers' unique requirements including pas sing forklift wheel load, rolling and wear resistance tests. It allows operating securelyand reliable and to provide two years warranty for trailer flooring.



Key benefits

01 **Load resistance**
02 **Resistance to loading of roller wheels (according to SFS 3939)**
03 **Resistance to surface wear (according to EN 438-2:2016)**
04 **Slip resistance (according DIN 51130 and EN 12195)**

Technical specifications

Standard sizes, length x width, mm (ft)	1220x2440/1250x2500 (4x8) 1500x2500 (5x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	21-30
Surface type	Wiremesh/smooth (W/F)
Resistance to surface wear (taber-test), rotations, EN 438-2:2016	350 - 2600
Resistance to loading of roller wheels (rolling-test), cycles	10000
Slip resistance (ramp-test)	R13
Slip resistance (coefficient of friction)	Up to 0,55 (for wooden pallet)
Surface color	Black, dark brown
Film density	120-220 g/m²
Formaldehyde emission class	E1
Water resistance	High
Density, kg/m³	540-700
Moisture content, %	≤14
Produced Materials	Poplar,Eucalyptus,Birch

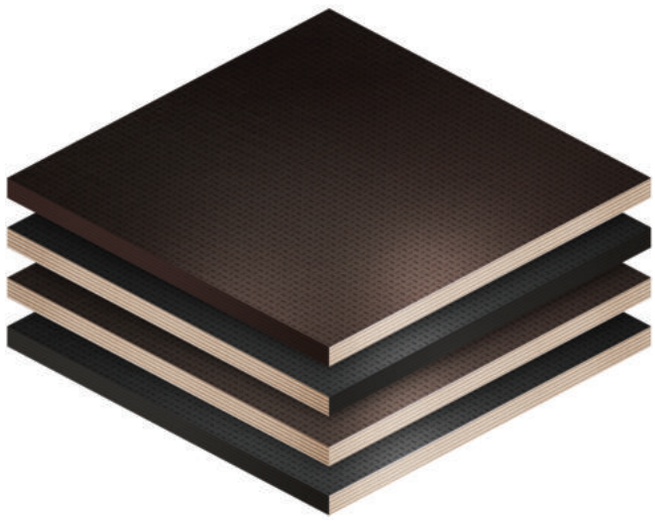
Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	21-32	60
	across the outer layer grain		30
Static bending elasticity modulus, min MPa	along the grain		6000
	across the grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER TITAN
(Square anti-slip surface)

Kinter Titan is a high-quality, 100% birch plywood with special abrasive coating, that provides human safety, the preservation of goods and durability of flooring in commercial vehicles. It coated with a unique film containing corundum particles, which allow exception al anti-slip properties and wear resistance.It has the highest level of durability and is also resistant to the loading of roller wheels.



Key benefits

01 **100% birch plywood**
02 **High wear resistance**
03 **Maximum slip resistance (R13)**
04 **Moisture protection of the edges**
05 **WBP glue**

Technical specifications

Standard sizes, length x width, mm (ft)	1220x2440/1250x2500 (4x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	6-30 (thickness up to 40 mm available upon client request)
Surface type	Wiremesh/smooth (W/F)
Wear resistance (according to EN 438-2:2016 (taber-test)), more than, rotations	2600
Rolling test (according to SFS 3939 (rolling-test)), not less, cycles	10000
Slip resistance (according to DIN 51130 (ramp-test))	R13
Surface color (film density)	Black (125 g/m^2) Dark brown (120 g/m^2)
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m^3	540-700
Moisture content, %	⩽14
Edge sealing	Painted on request
Produced under Materials	Poplar,Eucalyptus,Birch

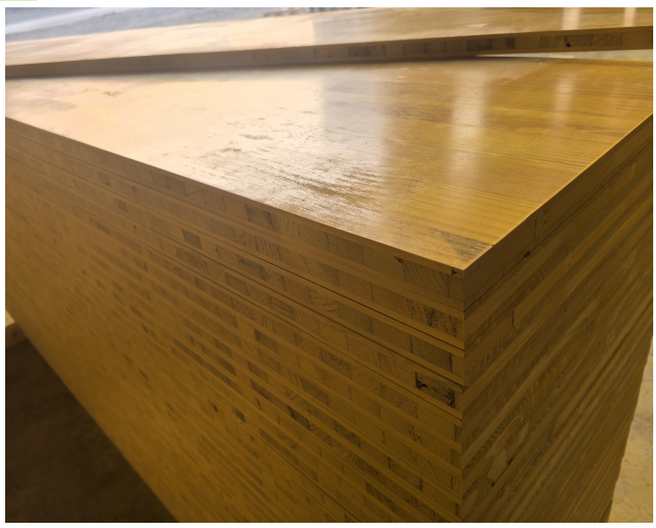
Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-30	60
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		6-8	30
Static bending elasticity modulus, min MPa	along the grain	9-30	6000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER 3ply Yellow Panel

Kinter 3ply yellow panel is a high-quality you can rely on, time after time plywood with special abrasive coating, that provides human safety, the preservation of goods and durability of flooring in commercial vehicles. It coated with a unique film containing corundum particles, which all ow exceptional anti-slip properties and wear resistance. It has the highest level of durability and is also resistant to the loading of roller wheels.



Key benefits

01 3Ply formwork sheets made of spruce/pine,cross wise glue-bonded,with/without edge strip
02 High quality urea-melamine gesin glue,High wear resist
03 ance Choice quality timber
04 Moisture protection of the edges
05 WBP glue

Technical specifications

Standard sizes, length x width, mm	500x1000/500x1500/500x1970/500x2000 500x2500//500x3000
Thickness, mm	21,27
Surface type	smooth (W/F)
Wear resistance (according to EN 438-2:2016 (taber-test)), more than, rotations	
Rolling test (according to SFS 3939 (rolling-test)), not less, cycles	
Slip resistance (according to DIN 51130 (ramp-test))	
Surface color (film density)	BUREA-MELAMINE GESIN GLUE
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m³	540-600
Moisture content, %	⩽14
Edge sealing	Painted on request
Produced Materials	Pine,Spruce

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-30	60
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		6-8	30
Static bending elasticity modulus, min MPa	along the grain	9-30	6000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER REGULAR INTERIOR

Kinter Regular Interior is a high-quality construction material with excellent durability and a good-looking surface. Kinter Regular Interior plywood is easy to work with, and goes perfectly well with finish materials. It is water resistant,however it is not recommended for use with exterior finishes. This material is ideal for interior use and the manufacturing of furniture parts and toys.

Key benefits

01 **Hard surface**
02 **Good-looking surface**
03 **Exceptional durability and wear-resistance**
04 **Comes in a variety of thicknesses and sizes**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 2440/2500x1500/1525 (8x5)
Thickness, mm	3-25
Face veneer grades	I (BB/BB), II (BB/CC), III (CP), IV (C)
Surface type	POPLAR,BINTANGOR ,OKUOME,BIRCH
Formaldehyde emission class	E1, E0
Water resistance	Normal
Density, kg/m³	540-700
Moisture content, %	5-14
Edge sealing	–
Produced Materials	Popllar,Eucalyptus,Birch

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-25	45
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		3-8	30
Static bending elasticity modulus, min MPa	along the grain	9-25	5000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER REGULA REXTERIOR

Kinter Regular Exterior is a high-quality, 100% birch plywood with high durability and moisture resistance. Kinter Regular Exterior maintains its performance characteristics under conditions of high humidity and does not deform or soak. It can be used in both interior and exteri or finish.

Key benefits

01 **Higher water-resistance**
02 **Exceptional durability and wear-resistance**
03 **Hard surface**
04 **Resistance to temperature variation -40 to +50 °C**
05 **Comes in a variety of thicknesses and sizes**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x2440 (4x8x) 1250x2500(4x8) 1500/1525x2440/2500 (5x8) 2440/2500x1500/1525 (8x5) 1500/1525x3000/3050 (5x10)
Thickness, mm	4-40
Face veneer grades	I (B, S), II (BB), III (CP), IV (C)
Surface type	Outer layers sanded C, one side sanded D
Formaldehyde emission class	E1 E0
Water resistance	Higher
Density, kg/m³	540-700
Moisture content, %	5-14
Edge sealing	–
Produced under STO.*	Popllar,Eucalyptus,Birch

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-40	60
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		3-8	30
Static bending elasticity modulus, min MPa	along the grain	9-40	6000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

KINTER UV

Kinter UV finished plywood is a special high quality plywood with a clear UV topcoat, features unique decorative characteristics of real wood and keeps it off scratches and chips. Kinter UV finished plywood brings out a natural texture of real birch veneers, gives a variety of colors with a range of coverages.

Key benefits

01 **Reduces labor time and costs**
02 **5x5, 5x10, 4x8**
03 **Pre-finished product**
04 **Beautiful real wood appearance**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5), 1220x2440, 1250x2500 (4x8)
Surface	plywood with uniform ultra violet (UV) cured finish, UV coating on one or two sides
Glue type	Interior, Exterior
Thickness, mm	6; 6,5; 8; 9; 10; 12; 15; 18; 19
Face veneer grades	B/B, B/BB, BB/BB (UV both sides); B/CP, BB/CP (UV one side)
Lacquer	Transparent, with additional pigment upon customer's request
Standard product	Special sanded plywood with: Sanding 400 Medium Gloss 35% (±5) coating
Gloss level (upon customer's request)	UV High - gloss 80% (±5) UV Medium - gloss 35% (±5) UV Light - gloss 20% (±5) UV Special - gloss upon customer's request (±5)
Produced Materials	Popllar,Eucalyptus,Birch

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-19	45
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		6-8	30
Static bending elasticity modulus, min MPa	along the grain	9-19	5000
	against grain		3000

*For more information, please visit the company website www.kinterwood.com.

Technical info

Number of sheets and crate volume

Nominal thickness of plywood, mm	CRATE HEIGHT, MM 400	600
3	130	200
4	100	150
5	80	120
6	65	100
6,5	62	92
8	50	75
9	44	67
10	40	60
12	33	50
15	26	40
18	22	33
21	19	29
24	16	25
27	14	22
30	12	20
35	11	17
40	10	15

Tolerances

Nominal thickness, mm	Number of plies	SANDED PLYWOOD Tolerance, mm	SANDED PLYWOOD Max difference in measurements, mm	UNSANDED PLYWOOD Tolerance, mm	UNSANDED PLYWOOD Max difference in measurements, mm
3	3	+ 0,3; - 0,4	0,6	+ 0,4; - 0,3	0,6
4	3	+ 0,3; - 0,5		+ 0,8; - 0,4	1,0
5	4/5	+ 0,4; - 0,5		+ 0,8; - 0,4	
6	5	+ 0,4; - 0,5		+ 0,9; - 0,4	
6,5	5	+ 0,4; - 0,5		+ 0,9; - 0,4	
8	6/7	+ 0,4; - 0,5		+ 1,0; - 0,5	
9	7	+ 0,4; - 0,6		+ 1,0; - 0,5	
10	7/8	+ 0,5; - 0,6		+ 1,0; - 0,5	
12	9	+ 0,5; - 0,7		+ 1,1; - 0,6	
15	11	+ 0,6; - 0,8		+ 1,2; - 0,7	1,5
18	13	+ 0,7; - 0,9		+ 1,3; - 0,8	
21	15	0,0; -1,1		+ 1,0; - 1,1	
24	17	0,0; -1,5		+ 1,0; - 1,5	
27	19	0,0; -1,8	1,0	+ 1,5; - 1,8	2,0
30	21	0,0; - 2,0		+ 1,6; - 2,0	
35	25	0,0; - 2,0		+ 1,6; - 2,0	
40	28/29	+ 1,2; - 1,2		+ 1,6; - 2,0	

Plywood with other thicknesses, sizes, number of plies and tolerances are available by special order.

Size tolerances

Length or width of plywood sheets, mm	Tolerance, mm
1220, 1250	±3,0
1500, 1525	±4,0
2440, 2500	±4,0
3000, 3050	±5,0

Other sizes are available by special order.
Length of plywood panels is defined along the grain of outer layers.

Transport loading capacity

Size, ft	Crate height, mm	CONTAINER Quantity of crates	CONTAINER Volume, m³	TRUCK Quantity of crates	TRUCK Volume, m³	RAILCAR (138 M³) Quantity of crates	RAILCAR (138 M³) Volume, m³
5x5	400	40	36-37	32	30	62-82	58-75
4x8x4 (1250x2500x1250 мм) Exterior Plywood	400	29-30	36-37	24	30	60-74	75-92
	600	–		16	30	45	84
4x8x4 (1220x2440x1220 мм) Exterior Plywood	400	30-31	36-37	25	30	60-74	71-88
	600	–		16	30	45	80
4x8x4 (1250x2500x1250 мм) Film Faced Plywood	400	28-29	35-36,5	23-24	29-30	60-74	75-92
	600	–		16	30	45	84
4x8x4 (1220x2440x1220 мм) Film Faced Plywood	400	29-30	35-36	24	29	60-74	71-88
	600	–		16	29	45	80
5x8x5	400	25	38	20	30	48	70
	600	–		13	30	–	
5x10	400	19	35	16	30	34	60
	600	–		11	30	–	

The actual loading capacity standards can differ from the basic standards, depending on the terms agreed upon with the client.

ISO 9001