



The world leader in birch plywood  
production



Presentation Brochure

# SVEZA BIRCH PLYWOOD

## Products and Applications

[www.sveza.com](http://www.sveza.com)





## SVEZA IS THE WORLD LEADER IN BIRCH PLYWOOD PRODUCTION

SVEZA group is a Russian company, the world leader in the birch plywood market. SVEZA products have earned customer loyalty in 70 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 is on the Russian market since 1998. Along the way, SVEZA has upgraded its production with the cutting edge technology and equipment. SVEZA Group's annual production is 102 million m<sup>2</sup> (1.3 million m<sup>3</sup>).

SVEZA is committed to responsible use of forest resources, which is confirmed by international FSC<sup>TM</sup> certificates.

\*FSC (Forest Stewardship Council®) is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests.

# SVEZA IN FIGURES

**1 260 000 m<sup>3</sup>** of wood boards annually

**200+** sizes and thicknesses

**100%** birch veneer

**70** purchasing countries

**6** mills

## SVEZA – 100% BIRCH PLYWOOD



Exceptional durability



Hard surface



Unique load capacity



Keeps its properties through a temperature range of -40°C to +50°C (-40°F to +122°F)



Attractive wood texture



Easy handling



# SVEZA INTERIOR BIRCH PLYWOOD



# SVEZA INTERIOR BIRCH PLYWOOD

SVEZA Interior Birch Plywood is easy to process and goes well together with finish materials. This type of plywood is ideal for indoor use.

## Key benefits

- Durable and wear resistant
- Hard surface
- Higher water-resistance
- 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
Plywood grade	I (B, S), II (BB), III (CP), IV (C)
Surface type	Outer layers sanded (S2S), one side sanded (S1S), unsanded (NS)
Formaldehyde emission class	E1
Waterproofness	Normal
Density, kg/m <sup>3</sup>	640-700
Moisture content, %	5-14
Edge sealing	—
Plywood is produced under STO 00255177-001-2013 "General purpose plywood with birch face veneers."*	

## Strength specifications

Subject		Thickness, mm	Index
Static bending strength, N/mm <sup>2</sup> , not less	along the outer layer grain	9-40	45
	across the outer layer grain		30
Strength in tension along the grain, N/mm <sup>2</sup> , not less		3-8	30
Modulus of elasticity in static bending, N/mm <sup>2</sup> , not less	along the grain	9-40	5000
	across the grain		3000

\*For STO 00255177-001-2013, visit "Certificates" section of [www.sveza.com](http://www.sveza.com) website.

# SVEZA EXTERIOR BIRCH PLYWOOD



# SVEZA EXTERIOR BIRCH PLYWOOD

SVEZA Exterior Birch Plywood maintains its performance characteristics under conditions of high humidity and does not deform or soak. It can be used in both interior and exterior finish.

## Key benefits

- Higher water resistance
- Durable and wear resistant
- Hard surface
- Resistance to temperature variation: through a range of -40°C to +50°C (-40°F to +122°F)
- Comes in a variety of thicknesses and sizes

## Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 1500/1525x2440/2500 (5x8) 2440/2500x1500/1525 (8x5) 1500/1525x3000/3050 (5x10)
Thickness, mm	4-40
Plywood grade	I (B, S), II (BB), III (CP), IV (C)
Surface type	Outer layers sanded (S2S), one side sanded (S1S), unsanded (NS)
Formaldehyde emission class	E1
Waterproofness	Higher
Density, kg/m <sup>3</sup>	640-700
Moisture content, %	5-14
Edge sealing	—
Plywood is produced under STO 00255177-001-2013 "General purpose plywood with birch face veneers."*	

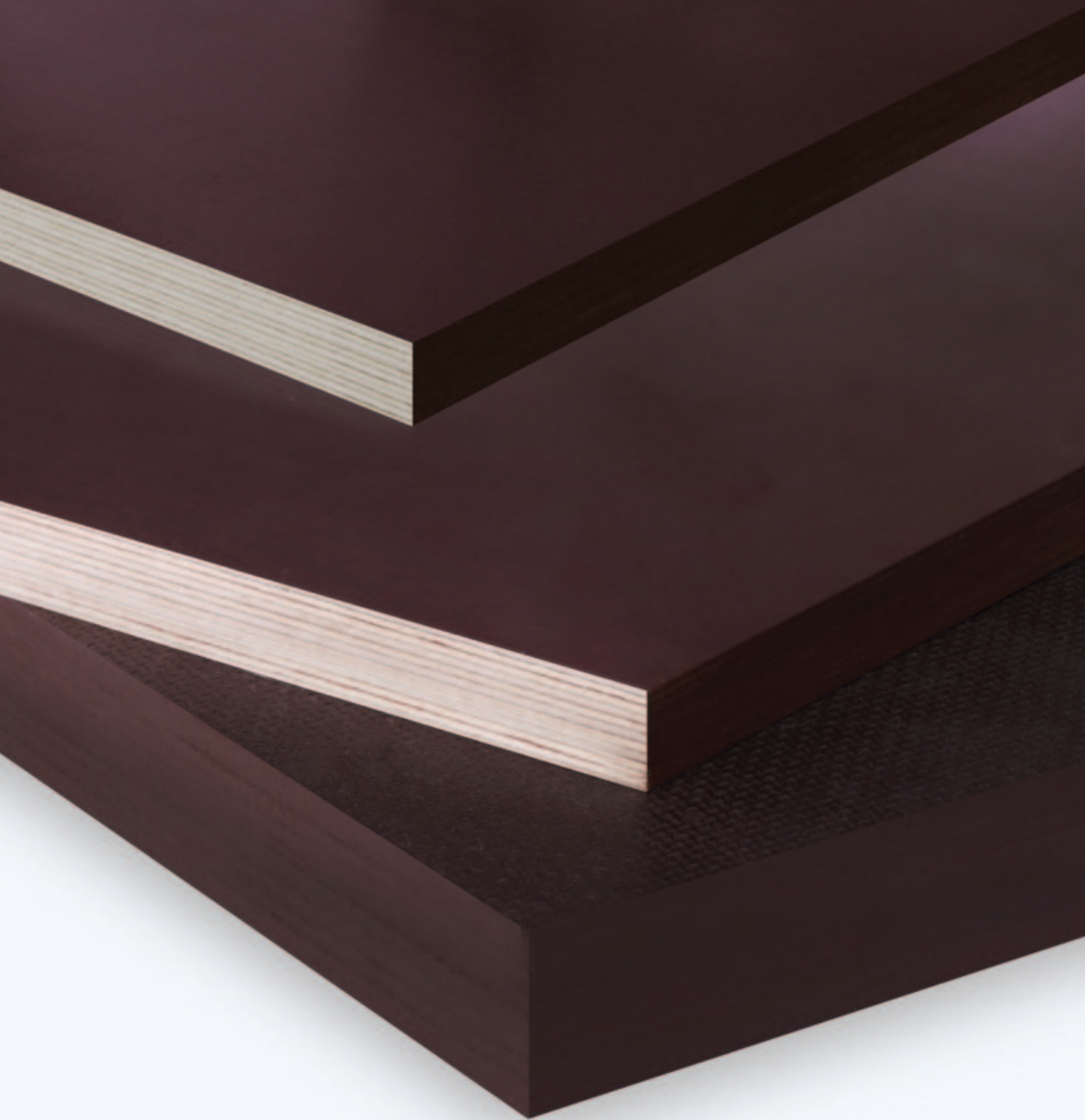
## Strength specifications

Subject		Thickness, mm	Index
Static bending strength, N/mm <sup>2</sup> , not less	along the outer layer grain	9-40	60
	across the outer layer grain		30
Strength in tension along the grain, N/mm <sup>2</sup> , not less		4-8	30
Modulus of elasticity in static bending, N/mm <sup>2</sup> , not less	along the grain	9-40	6000
	across the grain		3000

\*For STO 00255177-001-2013, visit "Certificates" section of [www.sveza.com](http://www.sveza.com) website.



# SVEZA FILM FACED BIRCH PLYWOOD





# SVEZA FILM FACED BIRCH PLYWOOD

SVEZA Film Faced Birch Plywood is a high-quality exterior birch plywood with special coating of resin-treated paper that turns into protective film during production. Comes with smooth or mesh surface. Edges are sealed with water-dispersible acrylic paint. This type of plywood is widely used in the construction industry and vehicle production. It is easy to mount and work with.

## Key benefits

- Highly wear resistant
- Resistant to most aggressive environments, including chemicals
- Higher water resistance
- Slip resistant (meshy surface)
- Durable
- Hard surface
- Resistance to temperature variation: through a range of -40°C to +50°C (-40°F to +122°F)
- Comes in a variety of thicknesses and sizes

## Technical specifications

Standard sizes, length x width, mm (ft)	1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 1500/1525x2440/2500 (5x8) 2440/2500x1500/1525 (8x5) 1500/1525x3000/3050 (5x10)
Thickness, mm	6-40
Surface type	Smooth/smooth (F/F), smooth/wire mesh (F/W)
Formaldehyde emission class	E1
Waterproofness	Higher
Density, kg/m <sup>3</sup>	640-700
Moisture content, %	5-14
Edge sealing	Emulsion acrylic paint
Produced under STO 00255177-002-2014 "Film-faced birch plywood."*	

## Strength specifications

Subject		Thickness, mm	Index
Static bending strength, N/mm <sup>2</sup> , not less	along the outer layer grain	9-40	60
	across the outer layer grain		30
Strength in tension along the grain, N/mm <sup>2</sup> , not less		6-8	30
Modulus of elasticity in static bending, N/mm <sup>2</sup> , not less	along the grain	9-40	6000
	across the grain		3000

\*For STO 00255177-002-2014, visit "Certificates" section of [www.sveza.com](http://www.sveza.com) website.



### — Scaffolding

Plywood: Exterior, Film Faced  
Size: 4x8, 5x10  
Thickness: 12, 15, 18  
Grade: CP/C  
Surface: F/W

### — Industrial Flooring (stairs, tribunes, bridges)

Plywood: SVEZA Titan  
Size: 4x8, 5x8, 5x10  
Thickness: 6-40  
Surface: F/W

### — Farms and Farm Structures

Plywood: SVEZA Color Yellow  
Size: 5x10  
Thickness: 6-21  
Surface: F/F (walls)





# APPLICATIONS

## Transport

### Trailer&Semi-trailer

Plywood: Film Faced, SVEZA Titan

Size: 4x8, 5x10, 5x8

Thickness: 24, 27, 30, 35

Surface: F/W (flooring)

### Goods Vans

Plywood: Exterior, Film Faced, SVEZA Titan

Size: 4x8, 5x10, 5x8

Thickness: 9, 12, 15, 18, 21, 24, 27

Grade: BB/BB, BB/CP, CP/CP (walls, doors)

Surface: F/W (flooring), F/F (walls, doors)

### Light Commercial Vehicles

Plywood: Exterior, Film Faced,  
SVEZA Color Grey

Size: 4x8, 5x10, 5x8

Thickness: 4, 5, 6, 9, 12, 15, 18

Grade: BB/BB, BB/CP, CP/CP (walls, doors)

Surface: F/W (flooring), F/F (walls)

### Buses

Plywood: Exterior, Film Faced

Size: 5x10, 4x8

Thickness: 9, 12, 15, 18

Grade: CP/C (flooring)

Surface: F/F (walls), F/W (flooring)





## APPLICATIONS

### Packaging

Plywood: Exterior  
Size: 5x5, 4x8, 5x10  
Thickness: Thickness: 6-21  
Grade: CP/C, C/C





## APPLICATIONS

### Furniture, Interior

Plywood: Interior, Exterior

Size: 5x5, 4x8x4, 5x10

Thickness: 3, 6, 9, 12, 15, 18, 21, 24

Grade: B/BB, S/BB, BB/BB, BB/CP, CP/C, C/C





## APPLICATIONS

### Flooring

Plywood: Exterior

Size: 4x8, 5x8

Thickness: 6, 9, 12

Grade: BB/CP, BB/C, CP/CP, CP/C





## APPLICATIONS

### Children's Toys and Outdoor Playsets

Plywood: Interior, Exterior, Film Faced,  
SVEZA Color Grey  
Size: 5x5, 4x8  
Thickness: 3, 4, 6, 9, 12, 15, 18  
Grade: B/BB, BB/BB, BB/CP  
Surface: F/F, F/W

# TECHNICAL INFO

## Number of sheets and crate volume

Length or width of plywood sheets, 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		Unsanded plywood	
		Tolerance, mm	Max difference in measurements, mm	Tolerance, mm	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	
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	
18	13	+0,7; -0,9		+1,3; -0,8	
21	15	0,0; -1,1		+1,0; -1,1	1,5
24	17	0,0; -1,5	+1,0; -1,5		
27	19	0,0; -1,8	+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.

## Distance from the SVEZA mills to Moscow

Plywood mill	Distance, km
SVEZA Ust-Izhora, St. Petersburg	685
SVEZA Kostroma, Kostroma	412
SVEZA Novator, Vologda region	1024
SVEZA Uralskiy, Perm territory	1411
SVEZA Manturovo, Kostroma region	671
SVEZA Verhnaya Sinyachiha, Sverdlovsk region	2000

## Transport loading capacity

Size, ft	Crate height, mm	Container		Truck		Railcar (138 m³)	
		Quantity of crates	Volume, m³	Quantity of crates	Volume, m³	Quantity of crates	Volume, m³
5x5	400	40	36-37	32	30	62-82	58-75
4x8x4 (1250x2500x1250 mm) Exterior Plywood	400	29-30	36-37	24	30	60-74	75-92
	600	—		16	30	45	84
4x8x4 (1220x2440x1220 mm) Exterior Plywood	400	30-31	36-37	25	30	60-74	71-88
	600	—		16	30	45	80
4x8x4 (1250x2500x1250 mm) Film Faced Plywood	400	28-29	35-36,5	23-24	29-30	60-74	75-92
	600	—		16	30	45	84
4x8x4 (1220x2440x1220 mm) 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.

## Certificates



# SVEZA AROUND THE WORLD

SVEZA plywood is popular in over 70 countries across the world







**Sweden**  
Nefab industrial packaging



**Russia**  
Sochi 2014 Olympic venues



**Russia**  
Moscow City Business Center



**Russia**  
ST Nizhegorodets light commercial vehicles



**Kuwait**  
Al Hamra Tower



**Oman**  
Royal Opera Theater



**Italy**  
Listone Giordano flooring



**China**  
HAPE toys for IKEA



**Italy**  
Bellotti high-speed trains



**Korea**  
Daeboong furniture



**South Africa**  
FIFA 2010 World Cup venues



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