

# SVEZA BIRCH PLYWOOD

Products and Applications



The world leader in birch plywood



## SVEZA IS THE WORLD LEADER IN BIRCH PLYWOOD PRODUCTION

**SVEZA** is a dynamically developing company, and one of the leading manufacturers of wood-based panels on the market. We produce high-quality plywood from the real **Russian birch**, a premium hardwood, and we are the world leader in this field.

**The Quality Management Systems** at SVEZA's facilities are ISO-9001 compliant (TUV certification center).

Our products comply with health and **safety** regulations confirmed by international and Russian certificates.

SVEZA is committed to **responsible use of forest resources**. SVEZA products are made from FSC™-certified raw materials\*.

\*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

**1 200 000** m<sup>3</sup> annual production of wood-based panels

**200+** thicknesses and sizes

**100%** birch veneer

**70** customer countries

**6** mills

### SVEZA — 100% BIRCH PLYWOOD

- **Hardwood core**
- **Attractive surface and edge**
- **High strength to weight ratio**
- **Endurance**
- **Stability of form**
- **Minimal voids**
- **Keeps its properties through a temperature range of -40°C to +50°C (-40°F to +122°F)**
- **Easy handling and fast installation**

# PRODUCTS

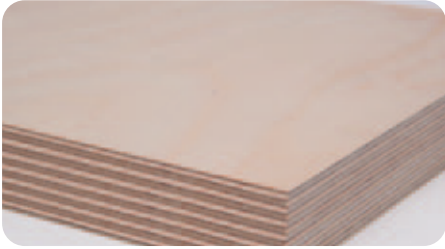


## SVEZA INTERIOR BIRCH PLYWOOD

### Key benefits

**SVEZA Interior Birch Plywood** is easy to handle and perfect for use in detail and trim work. This type of plywood is for indoor use. It is used for producing toys and child furniture.

- Exceptional durability and wear resistance
- High surface hardness
- High water-resistance
- Comes in a variety of thicknesses and sizes



## SVEZA EXTERIOR BIRCH PLYWOOD

### Key benefits

**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 work.

- Higher water-resistance
- Exceptional durability and wear resistance
- High surface hardness
- Comes in a variety of thicknesses and sizes



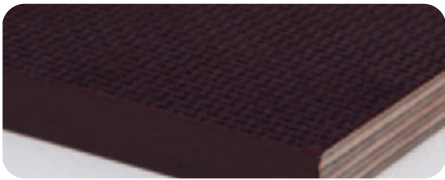
## SVEZA FILM FACED BIRCH PLYWOOD

### Key benefits

**SVEZA Film Faced Birch Plywood** is Exterior Birch Plywood of high quality and is coated with a special film. The edges of this plywood are protected with water-resistant acrylic paint.

It is widely used in the production of vehicles, and in the construction industry for concrete formwork. It is quickly mounted and easily processed.

- Higher resistance to abrasion
- Strong resistance to most chemicals
- Maximum protection against slippage (film with wire mesh surface)
- Higher water-resistance
- Exceptional durability
- High surface hardness
- Comes in a variety of thicknesses and sizes



## Technical characteristics

Characteristics	Interior	Exterior*	Film Faced*
Standard sizes, mm (ft)	1525x1525 (5x5) 2500/2440x1525/1500 (8x5)	1525x1525 (5x5) 1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 1500/1525x2500 (5x8) 2500/2440x1525/1500 (8x5) 1500/1525x3000/3050 (5x10)	1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 1500/1525x2500 (5x8) 2500/2400x1525/1500 (8x5) 1500/1525x3000/3050 (5x10)
Standard thickness, mm	3-25	4-40	6-40
Grading	I (B, S), II (BB), III (CP), IV (C)	I (B, S), II (BB), III (CP), IV (C)	I
Surface quality	Outer layers sanded (S2S), one side sanded (S1S), unsanded (NS)	Outer layers sanded (S2S), one side sanded (S1S), unsanded (NS)	Smooth (F/F), smooth/wire mesh (F/W)
Formaldehyde emission class	E1	E1	E1
Waterproofness	Normal	Higher	Higher
Density, kg/m <sup>3</sup>	640-700	640-700	640-700
Moisture content, %	5-10	5-10	5-10
Edge sealing	—	—	Waterproof acrylic paint

\* Standard sizes are indicated. Other sizes are available by special order.

## Strength and elasticity properties

Subject	Thickness, mm	Interior	Exterior	Film Faced
Static bending strength, N/mm <sup>2</sup> , not less				
along the outer layer grain	9-40	45	60	
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	6000	
across the grain		3000		

## Transport loading capacity

Size, ft	Crate height, mm	Container		Truck		Railcar	
		Quantity of crates	Volume, m <sup>3</sup>	Quantity of crates	Volume, m <sup>3</sup>	Quantity of crates	Volume, m <sup>3</sup>
5x5	400	41	37	32	30	65	70
4x8x4	400	32	37	24	30	64	80
	600	—	—	16	30	—	—
5x8x5	400	25	38	20	30	48	70
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.

## 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	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	
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	+1,5; -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

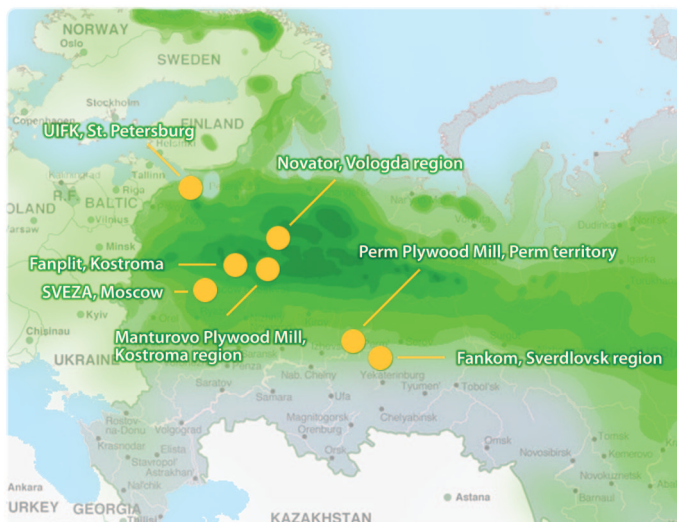
Length or width of plywood sheets, mm	Tolerance, mm
1220, 1250	±3,0
1500, 1525	±4,0
2440, 2500	±4,0
3000, 3050	±5,0

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

## Number of sheets in a crate

Thickness, 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

## SVEZA MILLS ARE LOCATED IN THE REGIONS RICH IN BIRCH FORESTS



## Distance from the SVEZA mills to Moscow

Plywood mill	Distance, km
UIFK, St. Petersburg	685
Fanplit, Kostroma	412
Novator, Vologda region	1024
Perm Plywood Mill, Perm territory	1411
Manturovo Plywood Mill, Kostroma region	671
Fankom, Sverdlovsk region	2000



## Certificates



## APPLICATIONS



### CONSTRUCTION

#### Formwork

Plywood: Film Faced  
Sizes: 4x8, 5x10  
Thicknesses: 15, 18, 21, 24  
Surface: F/F

#### Flooring/Roofing

Plywood: Interior, Exterior  
Sizes: 5x5, 4x8  
Thicknesses: 6, 9, 12, 15, 18  
Grades: BB/C, CP/CP, CP/C, C/C



### TRANSPORT

#### Trailers & Semi-trailers

Plywood: Film Faced  
Sizes: 4x8, 5x10, 5x8  
Thicknesses: 24, 27, 30, 35  
Surface: F/W

#### Vans

Plywood: Exterior, Film Faced  
Sizes: 4x8, 5x10  
Thicknesses: 9, 12, 15, 18, 21, 24, 27  
Surface: F/W (floors), F/F (walls, doors)

#### Light Commercial Vehicles

Plywood: Exterior, Film Faced  
Sizes: 4x8, 5x10  
Thicknesses: 4, 5, 6, 9, 12, 15, 18  
Grades: BB/BB, BB/CP, CP/CP  
(walls, doors)  
Surface: F/W (floors)



### FURNITURE, INTERIOR

Plywood: Interior, Exterior  
Sizes: 5x5, 4x8, 5x10  
Thicknesses: 3, 6, 9, 12, 15, 18, 21, 24  
Grades: B/BB, S/BB, BB/BB, BB/CP



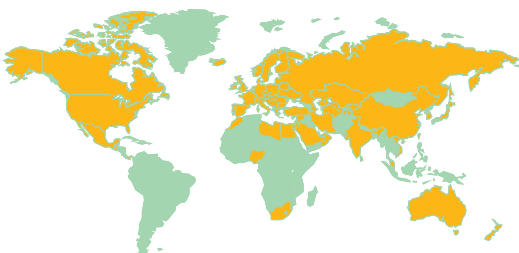
### PARQUET

Plywood: Exterior  
Size: 4x8  
Thicknesses: 6, 9, 12  
Grades: BB/CP, CP/CP, CP/C

### PACKAGING

Plywood: Exterior  
Sizes: 5x5, 4x8, 5x10  
Thicknesses: 6, 8, 9, 10, 12, 15, 18, 21  
Grades: CP/C, C/C

## SVEZA AROUND THE WORLD



- **United Kingdom** — Main stadium and Olympic village of Olympic Games-2012, London
- **Poland** — Football stadiums for UEFA European Football Championship-2012
- **South Africa** — Football stadium for FIFA World Football Cup-2010
- **Greece** — Sports facilities for Olympic Games-2004, Athens
- **Russia** — Sports facilities for Olympic Games-2014, Sochi
- **United States** — MGM Complex, Las Vegas
- **Panama** — Panama Canal reconstruction
- **Sweden-Denmark** — Oresund bridge
- **Germany** — Schmitz Cargobull trailers, semi-trailers
- **Belarus** — MAZ trailers, semi-trailers, buses
- **Jordan** — Jordan University, Aqaba
- **U. A. E.** — Park Hyatt Hotel, Abu Dhabi
- **Oman** — Opera House, Muscat
- **Turkey** — Agaoglu Building, Istanbul

## BENEFITS OF WORKING WITH SVEZA

- Wide **PRODUCT RANGE** of high quality plywood
- Stable, **HIGH-VOLUME** production output and the possibility of extra orders
- SVEZA **PERSONAL MANAGER**: quick response to requests, purchase portfolio planning, order status monitoring, and information about special offers
- Assistance in developing **CUSTOM-MADE SOLUTIONS**
- Easy logistics due **TO CONVENIENT LOCATIONS** of production mills



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