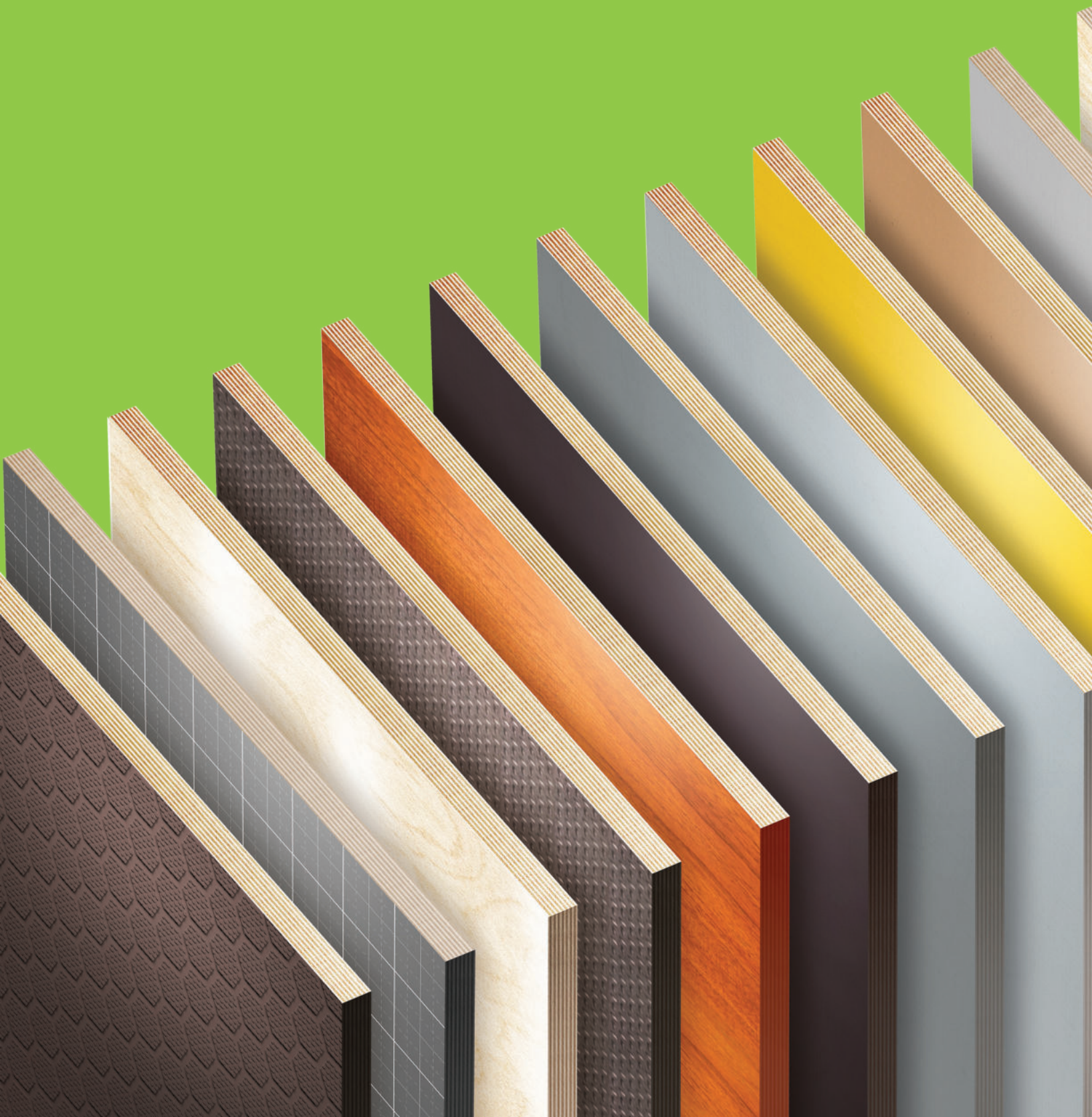


SVEZA

PRODUCT AND APPLICATIONS





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 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 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 1,4 million m³.

SVEZA – 100% birch 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**



1 400 000 m³
of wood boards annually



7 000
employees



21%
share in world production
birch plywood



200
sizes and thicknesses



90
purchasing countries



7
mills

SVEZA REGULAR INTERIOR

SVEZA Regular Interior is a high-quality construction material with excellent durability and a good-looking surface. SVEZA 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 (B, S), II (BB), III (CP), IV (C)
Surface type	Outer layers sanded (S2S), one side sanded (S1S), unsanded (NS)
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Water resistance	Normal
Density, kg/m³	640-700
Moisture content, %	5-14
Edge sealing	-
Produced under STO.*	

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 STO visit "Certificates" section of website.

SVEZA REGULAR EXTERIOR

SVEZA Regular Exterior is a high-quality, 100% birch plywood with high durability and moisture resistance. SVEZA 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 exterior 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) 1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 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 (S2S), one side sanded (S1S), unsanded (NS)
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Water resistance	Higher
Density, kg/m³	640-700
Moisture content, %	5-14
Edge sealing	-
Produced under STO.*	

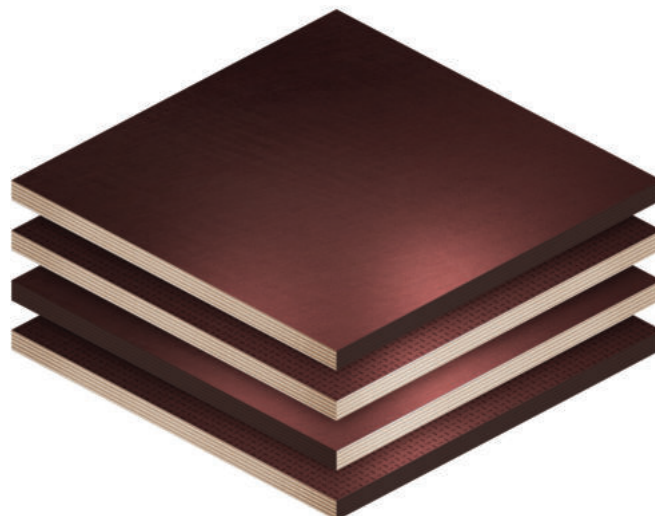
Strength specifications

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 STO visit "Certificates" section of website.

SVEZA REGULAR FILM-FACED

SVEZA 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)	1220x2440x1220 (4x8x4) 1250x2500x1250 (4x8x4) 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/m ²	120, 220
Formaldehyde emission class	E1
Water resistance	Higher
Density, kg/m ³	640-700
Moisture content, %	5-14
Edge sealing	Special waterproof acrylic based paint
Produced under STO.*	

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 STO visit "Certificates" section of website.

SVEZA DECK 350

SVEZA Deck 350* is a special film-faced plywood with an easy-to-use grid pattern, designed for slab formwork. SVEZA Deck 350 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 SVEZA Deck 350 are coated with special acrylate-based paint 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	8, 21
Surface type	Smooth (F/F)
Film density, g/m ²	120
Wear resistance of the film, cycles in Taber abrasion test	350
Formaldehyde emission class	E1
Density, kg/m ³	640-700
Moisture content, %	5-14
Edge sealing	Water-based acrylic paint
Produced under STO.**	

Strength specifications

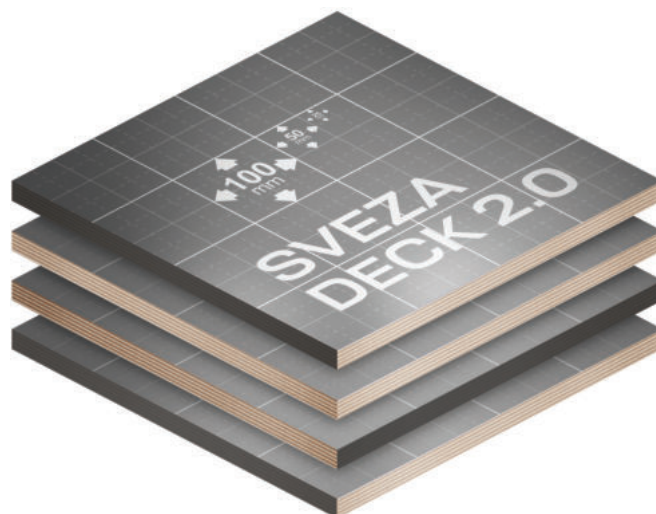
DIMENSION		VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	60
	across the outer layer grain	30
Static bending elasticity modulus, min MPa	along the grain	6000
	across the grain	3000

* Production process of plywood with layout grid is patented (registered in the Russian Federation National Register of Utility Models 20.01.15, patent #150519).

** For STO visit "Certificates" section of website.

SVEZA DECK 2.0

SVEZA Deck 2.0 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)	1220 x2440x1220 (4x8x4) 1250x2500x1250 (4x8 x4)
Thickness, mm	18, 21
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/m ³	640-700
Moisture content, %	≤ 12
Edge sealing	Waterborne acrylic paint
Produced under STO.*	

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 STO visit "Certificates" section of website.

SVEZA FLEX

Sveza Flex Uncoated – a flexible plywood with a wide adjustment range, from R=0.3 m to ∞ [depending on the plywood thickness]. It is used in the construction and the lining of intricately shaped facilities.

Sveza Flex Coated – a flexible film-faced plywood with a wide adjustment range, from R=0.8 m to ∞ [depending on the plywood thickness]. It is used in the construction of complex, curvilinear structures with special surface requirements after framework removal.



Key benefits

- 01 **Special flexible panel structure**
- 02 **Minimal reworking on site**
- 03 **Water-resistant edges**
- 04 **Improved water-resistant coating**
- 05 **Smooth concrete surface after removing formwork**
- 06 **Strong adhesion to concrete**
- 07 **Reusable application**
- 08 **Durable surface**

Technical specifications

	SVEZA FLEX COATED	SVEZA FLEX UNCOATED
Standard sizes, length x width, mm (ft)	1220x2440x1220 [4x8x4] 1250x2500x1250 [4x8x4]	1220x2440x1220 [4x8x4] 1250x2500x1250 [4x8x4]
Thickness, mm	6, 9, 12, 15	4, 6, 9, 12
Surface type	F/F, F/W	S2S/NS2NS
Formaldehyde emission class	E1	E1
Density, kg/m ³	640-700	640-700
Moisture content, %	5-12	5-12
Edge sealing	Waterborne acrylic paint	-
Produced under STO.*		

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 STO visit "Certificates" section of website.

SVEZA OIL

SVEZA Oil is a multi purpose birch plywood for concrete work, with a moderate number of reuses [2-5 times]*. Produced with Oil Recycling Technology**. The edges of SVEZA Oil are protected from moisture with acrylic paint. The surface is coated with oil for ease of use. Oiling is executed in controlled conditions that guarantee smooth application. The product is suited for low-rise construction.



Key benefits

- 01 **Even oiling of the surface**
- 02 **2-5 coating cycles**
- 03 **Multi-purpose basis for concrete work**
- 04 **Moisture protection on the edges with acrylic paint**
- 05 **Oil recycling technology**
- 06 **High strength properties**

Technical specifications

Standard sizes, length x width, mm (ft)	2500x1250x2500 2440x1220x2440
Thickness, mm	15, 18, 21
Face veneer grades	CP/CP
Surface type	Not sanded
Oil type	Distillate oil
Glue type	Exterior (WBP)
Formaldehyde emission class	E1
Density, kg/m³	640-700
Moisture content, %	5-12
Edge sealing	Acrylic paint. If panels are cut or drilled on site, edges and holes must be protected with a suitable paint.
Produced under STO.***	

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

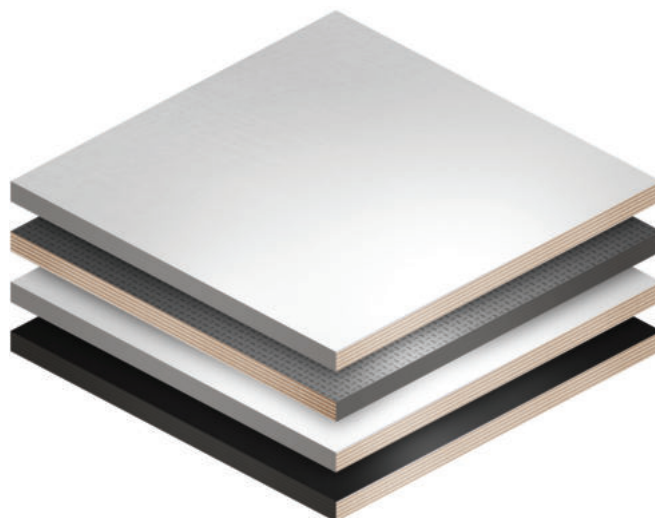
* The life of the product depends on how it is treated, cleaned, and stored.

** Product might be made with reprocessed oil.

*** For STO visit "Certificates" section of website.

SVEZA COLOR

Film faced colored birch plywood ready for use. We offer SVEZA Paint in colors: SVEZA Color Light Grey, SVEZA Color Stone Grey, SVEZA Color Black. Suitable for both interior and exterior works. Comes in two surface types: smooth on 2 sides and smooth/mesh.



Key benefits

- 01 **100% birch plywood**
- 02 **Higher UV-stability**
- 03 **Higher wear resistance**
- 04 **WBP glue**
- 05 **Antislip properties (W/F)**

Technical specifications

Standard sizes, length x width, mm [ft]	1220x2440/1250x2500 (4x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	6-21 (thicknesses up to 40 mm available upon customer's request)
Surface type	Smooth/smooth (F/F), smooth/wiremesh (F/W)
Surface color (film density)	Light Grey (220 g/m ²) Stone Grey (174 g/m ²) Black (125 g/m ²)
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m ³	640-700
Moisture content, %	5-12
Edge sealing	Painted on request
Produced under STO.*	

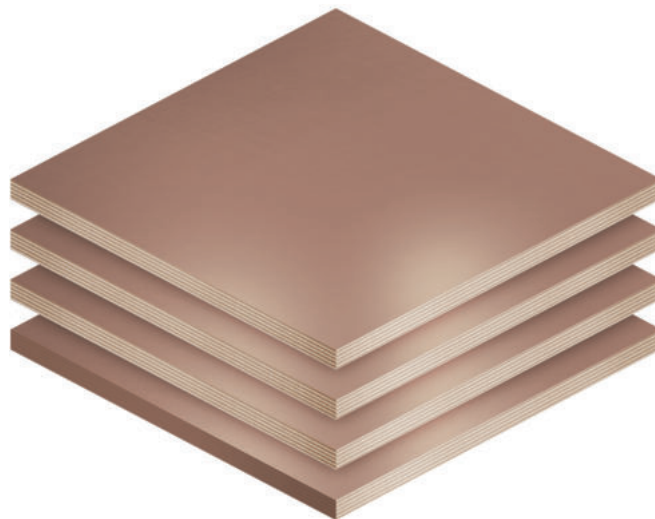
Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the outer layer grain	9-21	60
	across the outer layer grain		30
Static bending elasticity modulus, min MPa	along the grain		6000
	across the grain		3000

* For STO visit "Certificates" section of website.

SVEZA PAINT

100% birch plywood, specially designed for painting. Can be used for both interior and exterior work, including the decoration of walls and facades, doors and furniture, vehicle bodies, and sports equipment. Has a surface which is suitable for use as a base for any variety of colors.



Key benefits

- 01 **100% birch plywood**
- 02 **Work time cut by 70%***
- 03 **Min consumption of priming material**
- 04 **Smooth finish**
- 05 **Durable result with no cracking**
- 06 **Weather resistant****

Technical specifications

Standard sizes, length x width, mm [ft]	1220x2440/1250x2500 (4x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	6-21 (thicknesses up to 40 mm available upon customer's request)
Surface type	Smooth/smooth (F/F)
Surface color (film density)	Kraft (214 g/m ²)
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m ³	640-700
Moisture content, %	5-14
Edge sealing	Painted on request
Produced under STO.***	

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-21	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	9-21	6000
	against grain		3000

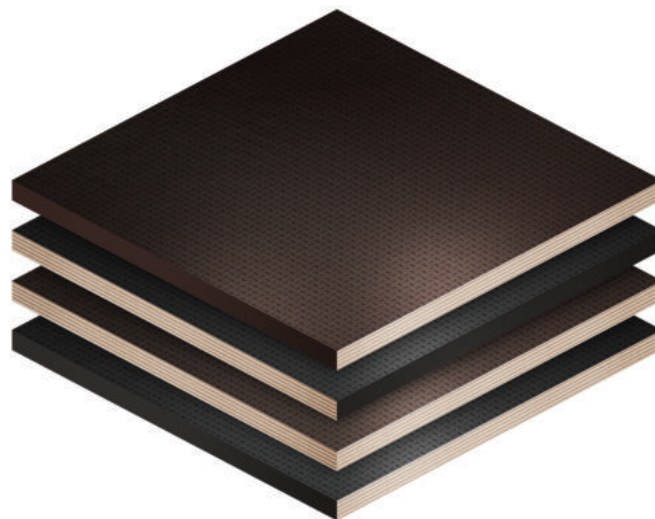
* Due to no need for pre-work, which amounts to 70% of painting time. Confirmed during an experiment with a playground manufacturer, Moscow, 2017.

** UV resistance.

*** For STO visit "Certificates" section of website.

SVEZA TITAN

SVEZA 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. SVEZA Titan is coated with a unique film containing corundum particles, which allow exceptional anti-slip properties and wear resistance. SVEZA Titan 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)	2440x1220x2440/2500x1250x2500 (8x4x8) 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	640-700
Moisture content, %	5-14
Edge sealing	Painted on request
Produced under STO.*	

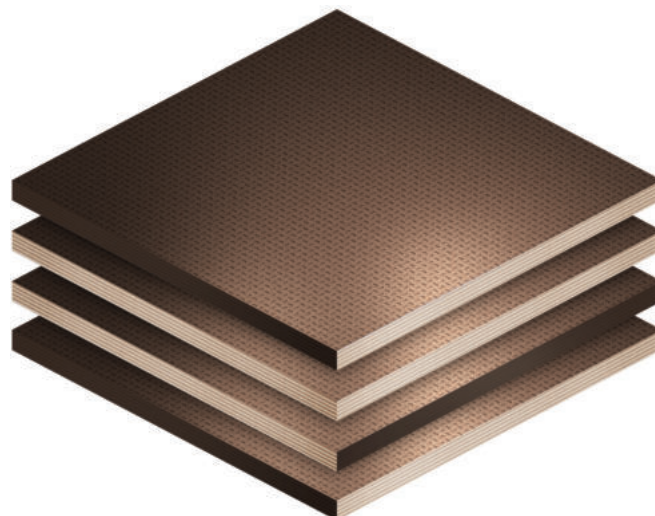
Strength specifications

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 STO visit "Certificates" section of website.

SVEZA HCV

SVEZA HCV – ready-to-install the plywood flooring set performed in accordance with trailer manufacturers' unique requirements including passing forklift wheel load, rolling and wear resistance tests. It allows operating securely and reliably 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)	2440x1220x2440/2500x1250x2500 (8x4x8) 1500x2500 (5x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	21-32
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/m ²
Formaldehyde emission class	E1
Water resistance	High
Density, kg/m³	640-700
Moisture content, %	≤14
Produced under STO.*	

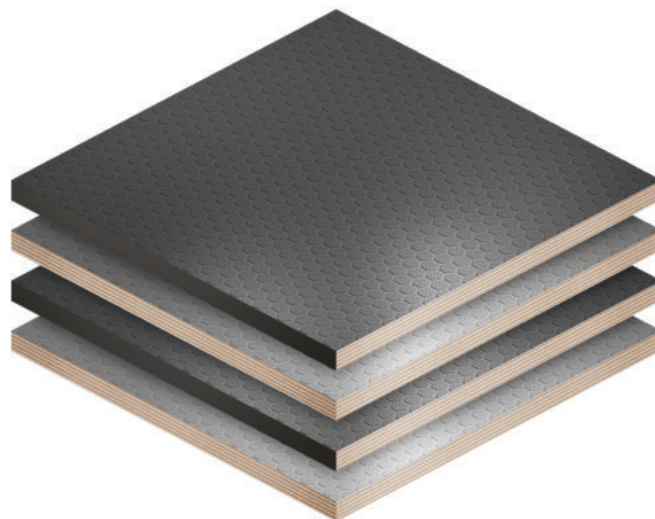
Strength specifications

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 STO visit "Certificates" section of website.

SVEZA HEXA

SVEZA 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 (220 g/m ²) Light Grey (220 g/m ²) Stone Grey (174 g/m ²)
Formaldehyde emission class	E1
Glue type	Exterior (WBP)
Density, kg/m ³	640-700
Moisture content, %	5-12
Produced under STO.*	

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 STO visit "Certificates" section of website.

SVEZA PARQUET

SVEZA Parquet is a 100% birch plywood that meets the key requirements of engineered flooring manufacturers. SVEZA Parquet Standard allows the parquet manufacturer to minimize production costs, and provides stability to engineered constructions. SVEZA Parquet Premium superior bonding strength (internal bond strength test results ≥ 1.75 MPa) is achieved by using only solid veneers with minimum defects for both outer and inner layers.



Key benefits

- 01 **100% birch plywood**
- 02 **Thickness tolerance ± 0.2 mm**
- 03 **Moisture content 5-9%**
- 04 **Film packaging**
- 05 **WBP glue**
- 06 **Superior bonding strength (SVEZA Parquet Premium)**
- 07 **Solid veneers for outer and inner layers (SVEZA Parquet Premium)**

Technical specifications

Standard sizes, length x width, mm [ft]	1220x2440/1250x2500 (4x8) 2440x1220/2500x1250 (8x4) 1525x1525 (5x5)
Thickness, mm	6-15
Face veneer grades	PST CP/CP, PST CP/C, PPR BB/CP, PPR CP/CP, PST C/C
Surface type	Sanded/sanded (S2S)
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Glue type	Exterior (WBP)
Density, kg/m³	640-700
Moisture content, %	5-9 (5-12 for PST C/C)
Produced under STO.*	

Strength specifications

DIMENSION	THICKNESS, MM	VALUE
SVEZA Parquet Premium Tensile strength perpendicular to surface (Internal bonding strength), MPa, not less than		1,75
SVEZA Parquet Standard Tensile strength perpendicular to surface (Internal bonding strength), MPa, not less	6-15	-
Shear strength of the bonding layer, N/mm², not less		1
Static bending strength, N/mm², not less	along the outer layer grain	60
	across the outer layer grain	30
Modulus of elasticity in static bending, N/mm², not less	along the grain	6000
	across the grain	3000

* For STO visit "Certificates" section of website.

SVEZA UV

SVEZA UV finished plywood is a special high quality birch plywood with a clear UV topcoat, features unique decorative characteristics of real wood and keeps it off scratches and chips. SVEZA 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, 8x4x8**
- 03 **Pre-finished product**
- 04 **Beautiful real wood appearance**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5), 2440x1220x2440, 2500x1250x2500 (8x4x8), 1500/1525x3000/3050 (5x10)
Surface	100% birch 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 under STO.*

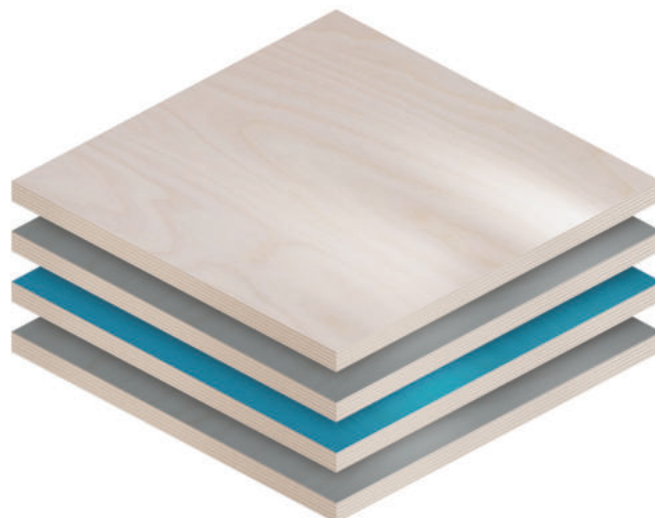
Strength specifications

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 STO visit "Certificates" section of website.

SVEZA LASER

100% birch plywood developed specially for diemakers, that meets the key requirements of the industry. SVEZA Laser Standard is laser compatible and has consistently flat panels. SVEZA Laser Premium uniform face color and minimum defects the core veneers for diemakers who require highest quality.



Key benefits

- 01 **100% birch plywood**
- 02 **Consistently flat panel**
- 03 **Minimum defects in core veneers (SVEZA Laser Premium)**
- 04 **High quality face veneer**
- 05 **Tight thickness tolerance**
- 06 **Laser compatible**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x1525 (4x5)/1250x1525 (4x5) 1525x1250 (5x4)/1525x1250 (5x4)/1500x1200 (5x4)/1500x1120 (5x4) 2500x1250 (8x4)/2440x1220 (8x4)/2130x1220 (7x4)/1830x1220 (6x4) 1525x3050 (5x10)/1525x2500 (5x8)
Thickness, mm	3-30 (special thicknesses available upon customer's request)
Face veneer grades	LST B/B, LST B/BB, LST BB/BB, LPR B/B, LPR B/BB, LPR BB/BB
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Glue type	Interior light glue (INT)
Density, kg/m ³	640-700
Moisture content, %	≤ 10
Produced under STO.*	

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-30	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	9-30	5000
	against grain		3000

* For STO visit "Certificates" section of website.

SVEZA TOY

SVEZA Toy is a 100% birch plywood that ensures the safety of toys and childhood furniture. SVEZA Toy meets international safety standards, and makes both toys and childhood furniture visually attractive and natural. High-grade SVEZA Toy veneer is easy to process and ready for sanding and coating.



Key benefits

- 01 **100% birch veneer**
- 02 **High grades, pleasant, natural wood texture**
- 03 **High thickness tolerance**
- 04 **Safe material (CARB ULEF*)**
- 05 **Face veneer \geq 0.7 mm ideal for sanding and coating**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x1525 (4x5)/1250x1525 (4x5) 1525x1250 (5x4)/1525x1250 (5x4)
Thickness, mm	3-30 (special thicknesses available upon customer's request)
Face veneer grades	T B/B, T B/BB, T BB/BB, T B/CP, T BB/CP, T CP/CP
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Glue type	Interior light glue (INT)
Density, kg/m ³	640-700
Moisture content, %	\leq 10
Produced under STO.**	

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-30	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	9-30	5000
	against grain		3000

* CARB ATCM 8 93120.3 (d) (ULEF) directive for SVEZA veneer of FK grade.

** For STO visit "Certificates" section of website.

SVEZA DRAWER

SVEZA Drawer is 100% birch plywood, specially developed for drawers and other furniture Component production that involves cutting with circular saws, milling and machining the edges. Additional control of the bonding strength makes it ideal for creating dove-tail joints. Thicker face veneers ensure the best surface for sanding and coating. SVEZA Drawer ensures the most natural surface look.



Key benefits

- 01 **100% birch veneer**
- 02 **Oval patch**
- 03 **Bonding strength**
- 04 **Face veneer ≥ 0.7 mm**
- 05 **Thickness tolerance ± 0.3 mm**
- 06 **Best face up, one direction stack**

Technical specifications

Standard sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x1525 (4x5)/1250x1525 (4x5) 1525x1250 (5x4)/1525x1250 (5x4)
Thickness, mm	3-25
Face veneer grades	DR B/B, DR B/BB, DR BB/BB, DR B/CP, DR BB/CP, DR CP/CP
Formaldehyde emission class	E1, E0.5, E0,05ppm, CARB ULEF
Glue type	Interior light glue (INT)
Density, kg/m ³	640-700
Moisture content, %	≤ 10
Produced under STO.*	

Strength specifications

DIMENSION		THICKNESS, MM	VALUE
Ultimate static bending strength, min MPa	along the grain of face veneers	9-15	45
	against the grain of face veneers		30
Ultimate tensile strength along the grain, min MPa		5-8	30
Static bending elasticity modulus, min MPa	along the grain	9-15	5000
	against grain		3000

* For STO visit "Certificates" section of website.

SVEZA GAS

SVEZA Gas NO96 is a high quality 100% birch plywood to be used in NO96, NO96 L03 & L03+ and Mark III cargo containment systems designed by GTT for LNG transportation and storage.



Key benefits

- 01 **Certified by GTT. 100% birch plywood**
- 02 **Certifies by DNV, ABS, Lloyd's, Bureau Veritas**
- 03 **Enhanced quality control at every stage of production**
- 04 **Superior strength characteristics**
- 05 **Any size from A4 format to 1525x3050 mm**
- 06 **Delivery on time**

Technical specifications

Standard sizes, length x width, mm	Any size from A4 format to 1525x3050 mm
Thickness	From 4 mm
Face veneer grades	BB/BB, BB/WG и WG/WG

Thickness characteristics

SVEZA Gas Mark III certified M3010 (Mark III system)				Gas NO96 и NO96 L03 & L03 certified M3502 (NO96) and M3513 (NO96 L03 & L03+)					
DIMENSION	THICKNESS, MM	VALUE		DIMENSION	THICKNESS, MM	VALUE			
Ultimate strength in shearing through adhesive layer, MPa (in original condition and after 3 thermal shocks), average, MPa	6,5, 9, 12,	≥3,5		Ultimate strength in shearing through adhesive layer, MPa	NO96	6,5-35	≥1		
	15, 21, 30				NO96 L03	35-42	≥1		
	24, 35, 92	≥2,5				Cross-wise	6,5-35	≥50	
Ultimate strength in shearing through adhesive layer, MPa (after boiling), average, MPa	6,5, 9, 12,	≥1,4		Static bending strength, average, MPa	NO96	6,5-9	≥80		
	15, 21, 30,					12	≥75		
	24, 35, 92	15				≥70			
Static bending strength, MPa	lengthwise and crosswise	12, 18	≥30		Length-wise	21	≥65		
	lengthwise	30	58			24	≥61		
	crosswise	30	50			30	≥58		
The limit of the tensile strength, average, MPa	lengthwise and crosswise	6,5	40			35	≥56		
	lengthwise	9, 12, 15	60			Compressive strength parallel to the bonding plane, MPa	NO96	35-42	≥28
	crosswise	9, 12, 15	40				L03		

APPLICATION

Building

Slab Formwork

Plywood: SVEZA Deck 350, Deck 2.0, SVEZA Oil
Size: 8x4x8
Thickness: 18, 21
Surface: F/F

Vertical Formwork

Plywood: Film Faced
Size: 5x10
Thickness: 12, 15, 18, 21
Surface: F/F

Concrete Slab Production

Plywood: Film Faced
Size: 4x8, 5x10
Thickness: 12, 15, 18, 21
Surface: F/F

Scaffolding

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

Industrial Flooring (stairs, tribunes, bridges)

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



APPLICATION

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 Light Grey, SVEZA Hexa

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, doors)

Buses

Plywood: Exterior, Film Faced

Size: 5x10, 4x8

Thickness: 9, 12, 15, 18

Grade: CP/C (flooring)

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



APPLICATION

Packaging

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



APPLICATION

Furniture and interiors

Plywood: Exterior, Interior, SVEZA Toy, SVEZA Drawer,
SVEZA Paint, SVEZA Color
Size: 5x5, 4x8, 8x4, 5x10
Thickness: 3-30
Grade: B/BB, S/BB, BB/BB, BB/CP, CP/C, C/C



APPLICATION

Laser cutting

Plywood: SVEZA Laser

Size: 5x5, 4x5

Thickness: 3-30

Grade: LST B/B, LST B/BB, LST BB/BB, LST BB/CP

LPR B/B, LPR B/BB, LPR BB/BB



APPLICATION

LNG containment systems

Plywood: SVEZA Gas

Size: any size from A4 format to 1525 3050 mm

Thickness: SVEZA GAS NO96 (incl. NO96 L03/L03+):

6, 5, 9, 12, 15, 21, 24, 30, 35, 37, 42

SVEZA GAS Mark III: 9, 12, 15, 18, 24, 35, 92

Grade: BB/BB, BB/WG и WG/WG



APPLICATION

Engineered flooring

Plywood: Exterior, SVEZA Parquet
Size: 4x8, 5x8
Thickness: 5,9 - 21
Grade: PST CP/CP, PST CP/C
PPR BB/BB, PPR BB/CP, PPR CP/CP



APPLICATION

Toys and children's furniture

Plywood: Interior, Exterior, Film Faced,

SVEZA Toy, SVEZA Color

Size: 5x5, 4x8

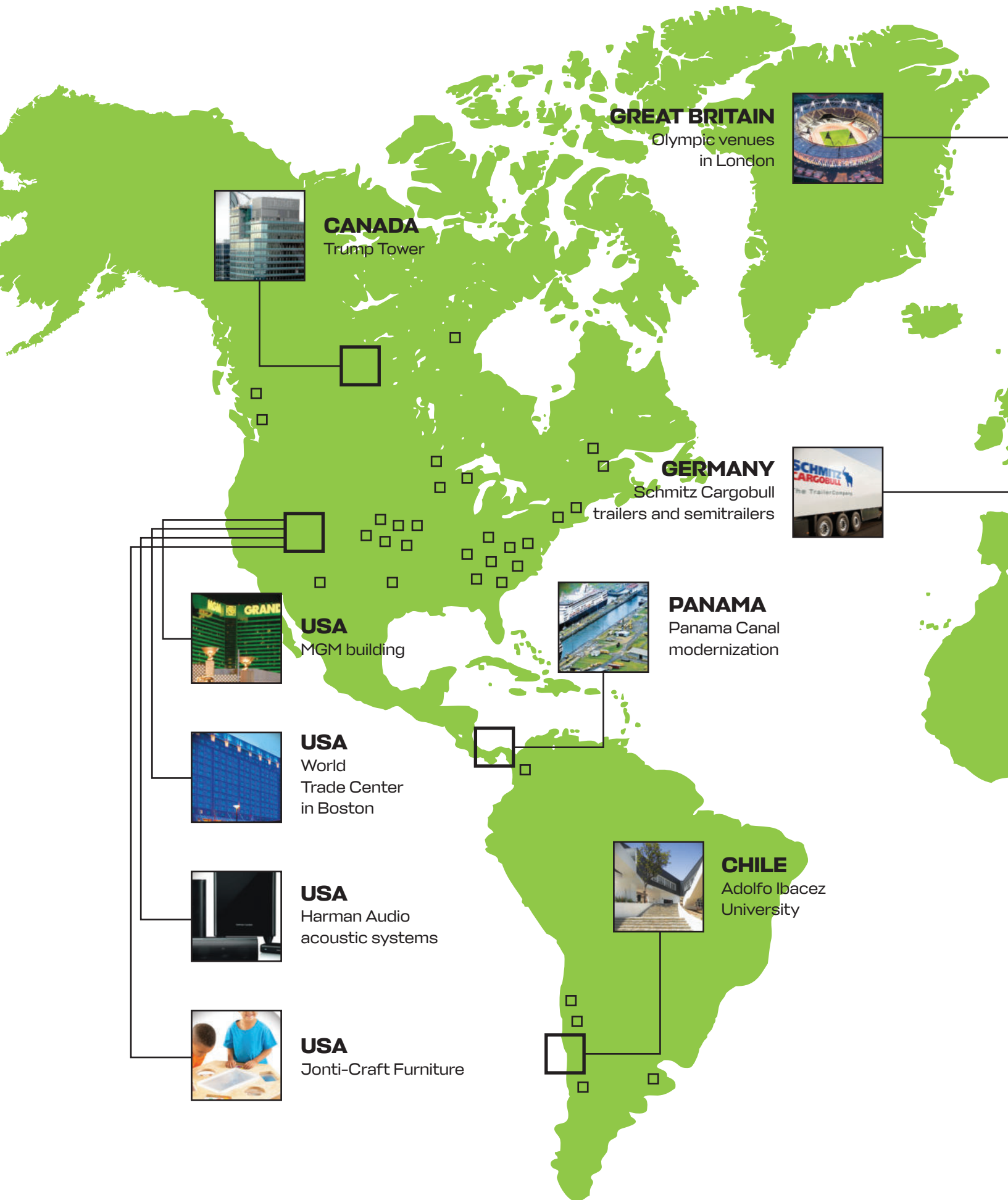
Thickness: 3, 4, 6, 9, 12, 15, 18

Grade: Т В/В, Т В/ВВ, Т ВВ/ВВ, Т В/СР, Т ВВ/СР, Т СР/СР

Покрытие: F/F, F/W

SVEZA around the world

SVEZA plywood is popular in 90 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

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		UNSANDED PLYWOOD	
		Tolerance, mm	Max difference in measurements, mm	Tolerance, mm	Max difference in measurements, mm
3	3	+0,3; -0,4		+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	1,0
8	6/7	+0,4; -0,5		+1,0; -0,5	
9	7	+0,4; -0,6	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	1,5
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	
30	21	0,0; -2,0		+1,6; -2,0	2,0
35	25	0,0; -2,0	1,0	+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	1474
SVEZA Tyumen	1710

Transport loading capacity

Size, ft	Crate height, mm	CONTAINER		TRUCK		RAILCAR (138 M ³)	
		Quantity of crates	Volume, m ³	Quantity of crates	Volume, m ³	Quantity of crates	Volume, m ³
5x5	400	40	36-37	32	30	62-82	58-75
4x8x4 (1250x2500x1250 mm)	400	29-30	36-37	24	30	60-74	75-92
	Exterior Plywood	600	-	16	30	45	84
4x8x4 (1220x2440x1220 mm)	400	30-31	36-37	25	30	60-74	71-88
	Exterior Plywood	600	-	16	30	45	80
4x8x4 (1250x2500x1250 mm)	400	28-29	35-36,5	23-24	29-30	60-74	75-92
	Film Faced Plywood	600	-	16	30	45	84
4x8x4 (1220x2440x1220 mm)	400	29-30	35-36	24	29	60-74	71-88
	Film Faced Plywood	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.

