

SVEZA

PRODUCTS AND APPLICATIONS





SVEZA is a world leader in birch plywood production

Sveza is a Russian company, a world's leading producer of birch plywood with customers in more than 90 countries. Sveza's plywood is used for the construction of towers and skyscrapers, Olympic facilities and line-haul trailers, high-speed trains and LNG carriers as well as in eco-friendly furniture and contemporary interiors.

Sveza has been present on the Russian market since 1998 and has continuously modernized its production facilities implementing new equipment and technologies. Sveza manufactures 1.4 million cubic meters of wood products annually.

SVEZA plywood is made of 100% birch wood

- 01 **Exceptional durability and strength**
- 02 **Excellent surface hardness**
- 03 **High load-bearing capacity**
- 04 **Withstands temperatures from -40 °C to +50 °C (-40 °F to +122 °F)**
- 05 **Natural wood grain**
- 06 **Easy cutting, milling and machining**



1.4 million m³
of wood panels annually



7,000
employees



21%
of the global production
of birch plywood



200+
sizes and thicknesses



90
purchasing countries



7
plywood mills

SVEZA INTERIOR

High-quality structural plywood with excellent durability and strength properties as well as attractive surface appearance. Easy to cut and treat, SVEZA Interior makes a perfect material for interior décor. While suitable for damp conditions, we do not recommend using SVEZA Interior outdoors. It performs best in indoor applications such as furniture or toys.



Key features

- 01 **Excellent surface hardness**
- 02 **Attractive appearance**
- 03 **Strong and durable**
- 04 **Available in a variety of sizes and thicknesses**

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5) 2440/2500x1500/1525 (8x5)
Thickness, mm	3-25
Grade	I (B, S), II (BB), III (CP), IV (C)
Surface	Sanded both sides (S2S), sanded one side (S1S), unsanded (NS)
Formaldehyde emission	E1, E0.5, E0.05ppm, CARB ULEF
Moisture resistance	Normal
Density, kg/m³	640-700
Moisture, %	5-14
Edge treatment	–
Manufactured to company standard*	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-25	45
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		3-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-25	5,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA EXTERIOR

High-quality plywood made of 100% birch wood: strong, durable, and highly resistant to moisture. Designed to withstand elevated levels of humidity, SVEZA Exterior will not deform or swell when wet, making it an excellent material for a wide range of interior and exterior applications.



Key features

- 01 **High moisture resistance**
- 02 **Strong and durable**
- 03 **Excellent surface hardness**
- 04 **Withstands temperatures from -40 °C to +50 °C (-40 °F to +122 °F)**
- 05 **Available in a variety of sizes and thicknesses**

Technical details

Panel 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
Grade	I (B, S), II (BB), III (CP), IV (C)
Surface	Sanded both sides (S2S), sanded one side (S1S), unsanded (NS)
Formaldehyde emission	E1, E0.5, E0.05ppm, CARB ULEF
Moisture resistance	High
Density, kg/m³	640-700
Moisture, %	5-14
Edge treatment	—
Manufactured to company standard*	

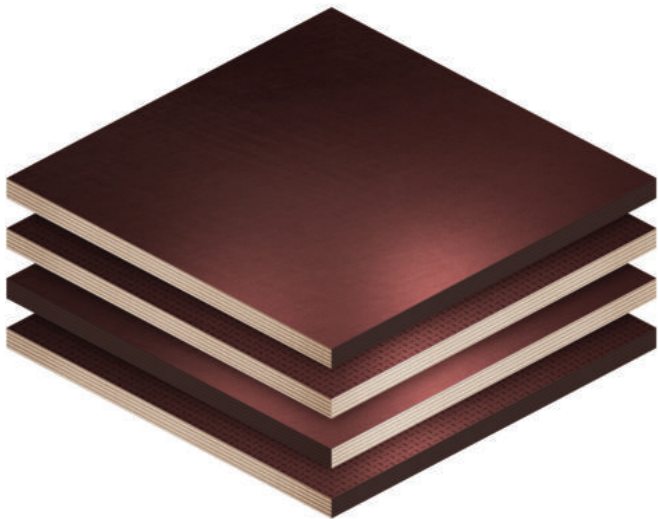
Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-40	60
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		3-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-40	6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA FILM-FACED

SVEZA Film-Faced is high-quality Exterior birch plywood overlaid with resin-saturated paper. During the production process, the paper turns into protective film coating, creating a wood panel suitable for demanding applications such as concrete forming. Two types of surface are available: smooth or with a mesh pattern. All edges are sealed with acrylic paint. SVEZA Film-Faced plywood offers easy installation and woodworking.



Key features

- 01 **High wear resistance**
- 02 **Resistance to aggressive impacts, including chemicals**
- 03 **Anti-slip (surface with a mesh pattern)**
- 04 **High moisture resistance**
- 05 **Withstands temperatures from -40 °C to +50 °C [-40 °F to +122 °F]**
- 06 **Available in a variety of sizes and thicknesses**

Technical details

Panel 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	Smooth/smooth (F/F), smooth/mesh (F/W)
Coating film density, g/m ²	120, 220
Formaldehyde emission	E1
Moisture resistance	High
Density, kg/m ³	640-700
Moisture, %	5-14
Edge treatment	Water-resistant acrylic based paint
Manufactured to company standard*	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-40	60
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		6-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-40	6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA DECK 350

Designed for slab formwork applications, SVEZA Deck 350* has 25, 50, and 100 mm grid ruling on the surface for easy marking, cutting and laying rebar, thus reducing labor at the construction site. The edges of SVEZA Deck 350 are sealed with water-resistant acrylic paint.



Key features

- 01 **100% birch wood**
- 02 **Easy to mark and cut**
- 03 **Easy to lay rebar**
- 04 **Reduces time and labor**
- 05 **Wear-resistant surface**
- 06 **Edges sealed against moisture**
- 07 **Packed as stacks on wooden beams**

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5) 2440/2500x1500/1525 (8x5)
Thickness, mm	8, 21
Surface	Smooth/smooth (F/F)
Coating film density, g/m ²	120
Wear rating (Taber value)	350R
Formaldehyde emission	E1
Density, kg/m ³	640-700
Moisture, %	5-14
Edge treatment	Water-resistant acrylic paint
Manufactured to company standard**	

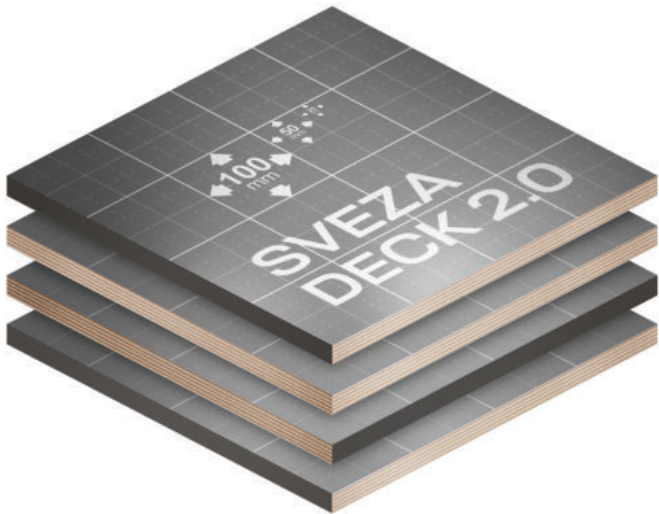
Strength values

PARAMETER	VALUE	
Static bending strength, min MPa	along the grain of the face veneers	60
	across the grain of the face veneers	30
Modulus of elasticity in static bending, min MPa	along the grain	6,000
	across the grain	3,000

*The grid ruled plywood production technology is patented (Russian Federation Patent No. 150519, registered with the Russian State Utility Models Register on January 20, 2015).
**For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA DECK 2.0

SVEZA Deck 2.0 is film-faced 100% birch plywood for slab formwork applications where high quality of concrete surface finish is desired. It is UV- and alkali-resistant and can be reused many times.



Key features

- 01 **Moisture-resistant coating**
- 02 **Moisture-resistant edges**
- 03 **Protected against exposure to concrete mix**
- 04 **No heat absorption in the sun**
- 05 **No concrete discoloration**
- 06 **Easy to mark out**
- 07 **Grid ruled surface**
- 08 **Packed as stacks on wooden beams**

Technical details

Panel sizes, length x width, mm (ft)	1220 x2440x1220 (4x8x4) 1250x2500x1250 (4x8 x4)
Thickness, mm	18, 21
Surface	Smooth / special smooth film (F/F)
Wear rating (Taber value)	350R
Formaldehyde emission	E1
Moisture resistance	High
Density, kg/m ³	640-700
Moisture, %	≤12
Edge treatment	Waterborne acrylate paint
Manufactured to company standard*	

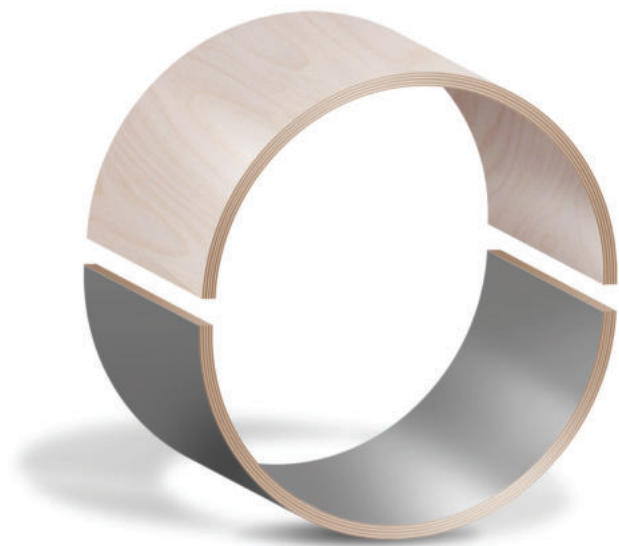
Strength values

PARAMETER		VALUE
Static bending strength, min MPa	along the grain of the face veneers	60
	across the grain of the face veneers	30
Modulus of elasticity in static bending, min MPa	along the grain	6,000
	across the grain	3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA FLEX

SVEZA Flex Uncoated is flexible plywood with a wide adjustment range, from R=0.3 m to ∞ depending on the thickness, for use in the construction and lining of complex structures. SVEZA Flex Coated has an adjustment range from R=0.8 m to ∞ depending on the thickness, and is used in the construction of bent and curved concrete shapes with special surface requirements.



Key features

- 01 Flexible panel
- 02 Very little preparation at the construction site
- 03 Edges sealed against moisture
- 04 High moisture-resistant coating
- 05 Smooth off-form concrete finish
- 06 Better concrete adhesion
- 07 Multiple reuses
- 08 Wear-resistant surface

Technical details

	SVEZA FLEX COATED	SVEZA FLEX UNCOATED
Panel 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	F/F, F/W	S2S/NS2NS
Formaldehyde emission	E1	E1
Density, kg/m ³	640-700	640-700
Moisture, %	5-12	5-12
Edge treatment	Water-resistant acrylic paint	-
Manufactured to company standard*		

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-40	60
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		3-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-40	6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA OIL

Manufactured with the Oil Recycling technology,* SVEZA Oil is general-purpose birch plywood for concrete work projects that do not require many reuses [2-5 cycles**]. SVEZA Oil has the surface impregnated with oil and the edges sealed against moisture with acrylic paint. Oiling in the shop ensures uniform impregnation of the surface. SVEZA Oil is a perfect choice for low-rise construction projects.



Key features

- 01 Uniformly impregnated surface
- 02 2-5 reuses
- 03 Simple solution for concrete projects
- 04 Edges sealed against moisture with acrylic paint
- 05 Oil Recycling technology
- 06 Excellent strength

Technical details

Panel sizes, length x width, mm	2500x1250x2500 2440x1220x2440
Thickness, mm	15, 18, 21
Grade	CP/CP
Surface	Unsanded
Oil	Distillate oil
Glue	WBP (Exterior)
Formaldehyde emission	E1
Density, kg/m ³	640-700
Moisture, %	5-12
Edge treatment	Acrylic paint. It is highly recommended to fully seal with acrylic paint any newly exposed edges from cutting and hole-drilling.
Manufactured to company standard***	

Strength values

PARAMETER	VALUE	
Static bending strength, min MPa	along the grain of the face veneers	60
	across the grain of the face veneers	30
Modulus of elasticity in static bending, min MPa	along the grain	6,000
	across the grain	3,000

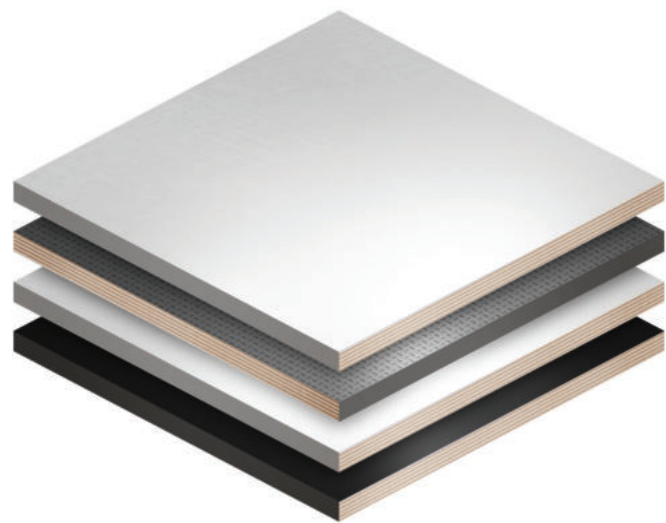
*Reprocessed oil may be used.

**The number of reuses depends on how the plywood is used, cleaned and stored.

***For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA COLOR

SVEZA Color is made of 100% birch wood and coated with colored wear-resistant materials. Featuring high UV stability, waterproof glue and high quality film coating, SVEZA Color is a perfect solution for both interior and exterior projects that require colored surfaces.



Key features

- 01 **100% birch wood**
- 02 **High UV stability**
- 03 **Highly durable**
- 04 **Waterproof glue**
- 05 **Slip resistant (W/F)**

Technical details

Panel sizes, length x width, mm (ft)	1220x2440/1250x2500 (4x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	6-21 (thicknesses up to 40 mm on request)
Surface	Smooth/smooth (F/F), smooth/mesh (F/W)
Facing film color (density)	Light Grey (220 g/m ²) Stone Grey (174 g/m ²) Black (125 g/m ²)
Formaldehyde emission	E1
Glue	WBP (Exterior)
Density, kg/m ³	640-700
Moisture, %	5-12
Edge treatment	Sealing of the edges on request
Manufactured to company standard*	

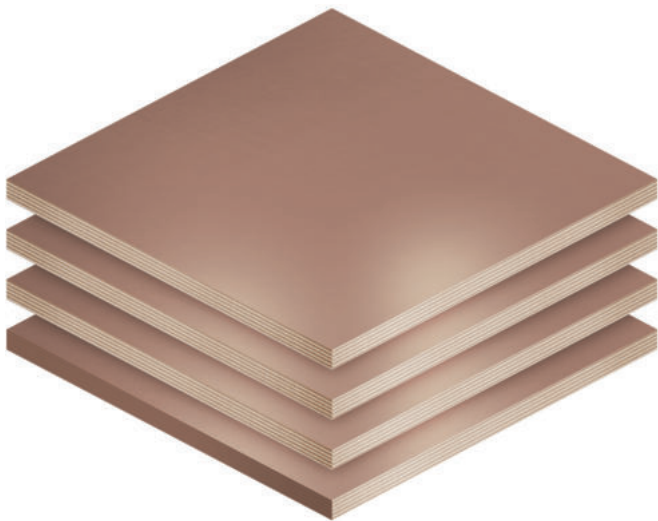
Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-21	60
	across the grain of the face veneers		30
Modulus of elasticity in static bending, min MPa	along the grain		6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA PAINT

SVEZA Paint is 100% birch plywood specially treated for painting. An ideal solution for interior and exterior projects, including walls, facades, doors, furniture, vehicle internal body work and sports equipment. SVEZA Paint Kraft features a very smooth and hard-wearing surface ready for painting any color.



Key features

- 01 100% birch wood
- 02 Time saving 70%*
- 03 Saves priming materials
- 04 Perfectly smooth paint finish
- 05 Durable result without cracking
- 06 Weather-resistant**

Technical details

Panel sizes, length x width, mm (ft)	1220x2440/1250x2500 (4x8) 1500x3000/1525x3050 (5x10)
Thickness, mm	6-21 (thicknesses up to 40 mm on request)
Surface	Smooth/smooth (F/F)
Facing film color (density)	Kraft (214 g/m ²)
Formaldehyde emission	E1
Glue	WBP (Exterior)
Density, kg/m ³	640-700
Moisture, %	5-14
Edge treatment	Sealing of the edges on request
Manufactured to company standard***	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-21	60
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		6-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-21	6,000
	across the grain		3,000

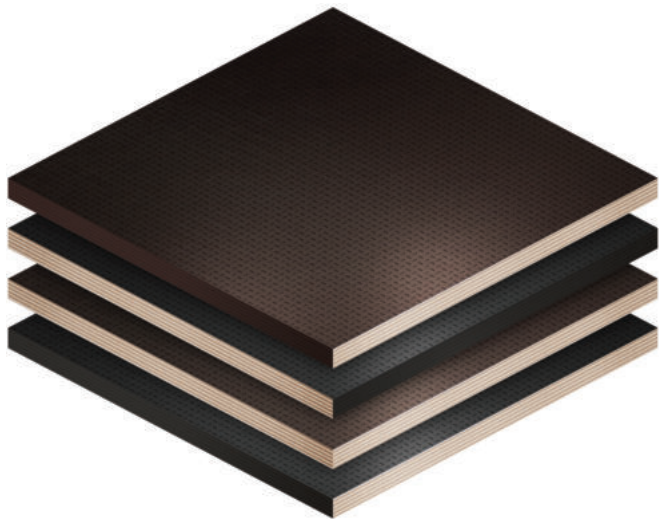
*Time is saved through elimination of preparation work which normally takes up 70% of the painting job, as confirmed in an experiment at a children's playground manufacturer's shop (Moscow, 2017).

**UV-resistant.

***For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA TITAN

High-quality plywood made of 100% birch wood and coated with special abrasive material offering superior wear and slip resistance for commercial flooring applications, SVEZA Titan will protect people from slipping and cargo from shifting in transit. SVEZA Titan offers the highest anti-slip rating R13 [DIN 51130] and meets the EU standards for load restraining on road vehicles [EN 12195-1, as applied to wooden and plastic pallets].



Key features

- 01 100% birch wood
- 02 High wear resistance
- 03 Ultimate slip protection (R13)
- 04 Edges sealed against moisture
- 05 Waterproof glue

Technical details

Panel sizes, length x width, mm [ft]	2440x1220x2440/2500x1250x2500 [8x4x8] 1500x3000/1525x3050 [5x10]
Thickness, mm	6-30 [thicknesses up to 40 mm on request]
Surface	Mesh/smooth [W/F]
Wear rating [Taber value, EN 438-2:2016], min	2,600R
Wheel test value [SFS 3939], min	10,000 movements
Slip resistance rating [DIN 51130]	R13
Facing film color [density]	Black [125 g/m ²] Dark Brown [120 g/m ²]
Formaldehyde emission	E1
Glue	WBP [Exterior]
Density, kg/m ³	640-700
Moisture, %	5-14
Edge treatment	Sealing of the edges on request
Manufactured to company standard*	

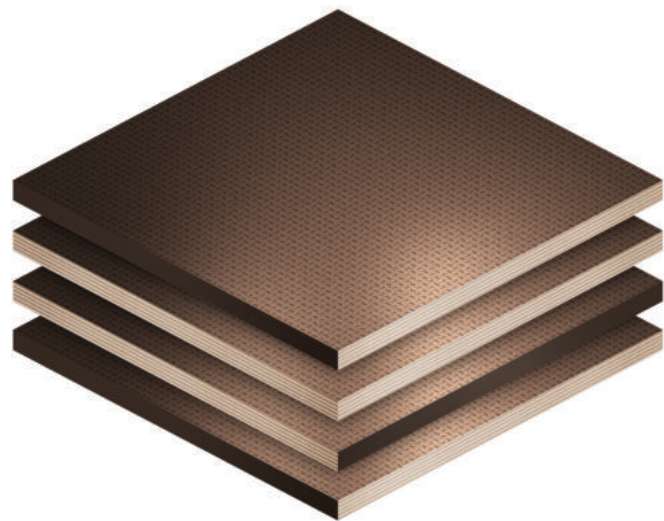
Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-30	60
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		6-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-30	6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA HCV

Designed and manufactured to meet the customer's specific needs, SVEZA HCV plywood flooring is ready for installation and guarantees safe and reliable performance for at least 2 years.



Key features

- 01 High load-carrying capacity
- 02 High rolling load capacity (SFS 3939)
- 03 High wear rating (EN 438-2:2016)
- 04 Slip resistance (DIN 51130 and EN 12195)

Technical details

Panel sizes, length x width, mm (ft)	2440x1220x2440/2500x1250x2500 (8x4x8)
	1500x2500 (5x8)
	1500x3000/1525x3050 (5x10)
Thickness, mm	21-32
Surface	Mesh/smooth (W/F)
Wear rating (Taber value, EN 438-2:2016)	350R - 2,600R
Wheel test value	10,000 movements
Slip resistance (ramp test)	R13
Slip resistance (CoF)	Up to 0.55 (for wooden pallets)
Coating color	Black, Dark Brown
Coating density	120-220 g/m ²
Formaldehyde emission	E1
Moisture resistance	High
Density, kg/m ³	640-700
Moisture, %	≤14
Manufactured to company standard*	

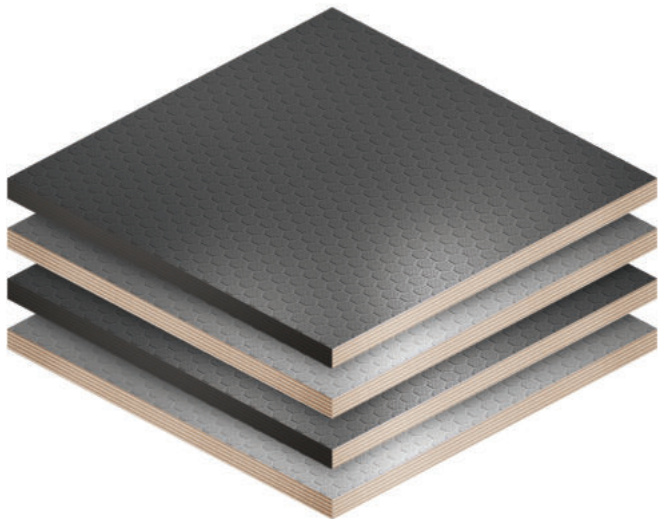
Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	21-32	60
	across the grain of the face veneers		30
Modulus of elasticity in static bending, min MPa	along the grain		6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA HEXA

Coated with slip-resistant material with raised hexagonal pattern, SVEZA Hexa is a 100% birch plywood solution for making floors in light commercial vehicles and other flooring applications where easy care and beautiful appearance are valued: warehouses, sports and play grounds, concert venues, and more.



Key features

- 01 100% birch wood
- 02 High wear rating (Taber value = 300R-600R)
- 03 Slip resistance (R10)
- 04 Easy to keep clean
- 05 Choice of colors

Technical details

Panel sizes, length x width, mm (ft)	1500x3000/1525x3050 (5x10) 1220x2440/1250x2500 (4x8) 2440x1220/2500x1250 (8x4)
Thickness, mm	6-30 (thicknesses up to 40 mm on request)
Surface	Hexagonal pattern / smooth (H/F)
Wear rating (Taber value, EN 438-2:2016)	350R-600R
Slip resistance rating (DIN 51130)	R10
Coating color (density)	Black (220 g/m ²) Light Grey (220 g/m ²) Stone Grey (174 g/m ²)
Formaldehyde emission	E1
Glue	WBP (Exterior)
Density, kg/m ³	640-700
Moisture, %	5-12
Manufactured to company standard*	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-30	60
	across the grain of the face veneers		30
Modulus of elasticity in static bending, min MPa	along the grain		6,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA PARQUET

SVEZA Parquet is 100% birch plywood core specially designed to satisfy the needs of engineered wood flooring manufacturers. SVEZA Parquet Standard reduces manufacturing costs while ensuring stability of engineered wood flooring boards. SVEZA Parquet Premium features hand-selected solid veneers in the face and core plies and superior bonding strength [≥ 1.75 MPa].



Key features

- 01 **100% birch wood**
- 02 **Thickness tolerance ± 0.2 mm**
- 03 **Moisture content 5-9%**
- 04 **Plastic film packaging**
- 05 **Waterproof glue**
- 06 **Extra strong (SVEZA Parquet Premium)**
- 07 **Solid veneers for face and core (SVEZA Parquet Premium)**

Technical details	
Panel sizes, length x width, mm (ft)	1220x2440/1250x2500 (4x8) 2440x1220/2500x1250 (8x4) 1525x1525 (5x5)
Thickness, mm	6-15
Grade	PST CP/CP, PST CP/C, PPR BB/CP, PPR CP/CP, PST C/C
Surface	Sanded both sides (S2S)
Formaldehyde emission	E1, E0.5, E0.05ppm, CARB ULEF
Glue	WBP (Exterior)
Density, kg/m ³	640-700
Moisture, %	5-9 (5-12% for PST C/C grade)
Manufactured to company standard*	

Strength values

PARAMETER		THICKNESS, MM	VALUE
SVEZA Parquet Premium		6-15	1.75
Out-of-plane tensile strength, min MPa			—
SVEZA Parquet Standard			1
Out-of-plane tensile strength, min MPa		9-15	60
Shear strength, min MPa			30
Static bending strength, min MPa	along the grain of the face veneers		6,000
	across the grain of the face veneers		3,000
Modulus of elasticity in static bending, min MPa	along the grain		—
	across the grain		—

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA UV

SVEZA UV is coated with UV-cured varnish in many layers. The UV coating protects the plywood panel from damage while ensuring beautiful appearance and bringing out the natural grain beauty of birch wood. Custom tints can be achieved to match a desired finish color or gloss.



Key features

- 01 Reduces finishing time and cost
- 02 Available in sizes 5x5, 5x10, 8x4x8
- 03 Ready for use
- 04 Natural wood grain

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5), 2440x1220x2440, 2500x1250x2500 (8x4x8), 1500/1525x3000/3050 (5x10)
Surface	100% birch plywood with uniform UV-cured finish
Glue	MR (Interior), WBP (Exterior)
Thickness, mm	6, 6.5, 8, 9, 10, 12, 15, 18, 19
Grade	B/B, B/BB, BB/BB (UV coating both sides); B/CP, BB/CP (UV coating one side)
Patching	Oval, butterfly
Coating	UV-curable clear varnish on one or two sides
Varnish	Transparent (no color) or tinted, according to customer's specifications
Standard product	Sanded at 400 grit, with UV Medium finish (gloss 35% ± 5%)
Gloss (based on customer's specifications)	UV High - 80% ± 5% UV Medium - 35% ± 5% UV Low - 20% ± 5% UV Special - gloss according to customer's specifications ± 5%
Manufactured to company standard*	

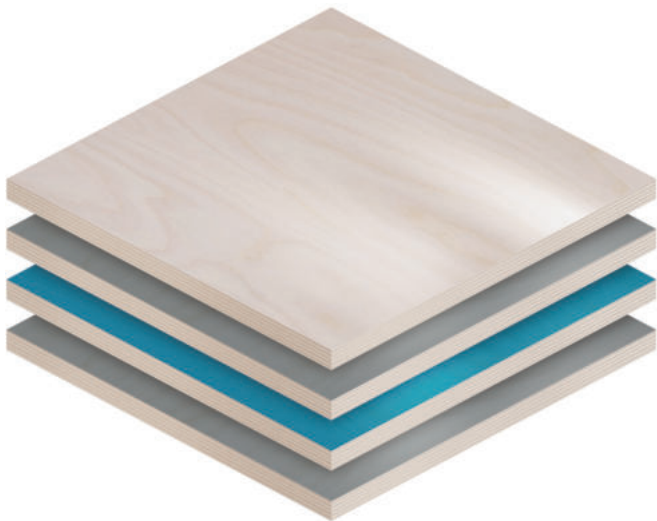
Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-19	45
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		6-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-19	5,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA LASER

Developed specially for diemakers, this flat dieboard made of 100% birch wood fully meets the requirements of the industry. SVEZA Laser Standard features a consistently flat panel and laser-compatible glue. SVEZA Laser Premium offers uniform color of the face and minimum defects in the core veneers for the diemakers demanding the highest quality.



Key features

- 01 100% birch wood
- 02 Consistently flat panel
- 03 Little to no defects in core veneers (SVEZA Laser Premium)
- 04 Best quality face veneers
- 05 Very tight thickness tolerances
- 06 Laser-compatible glue

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5)
	1220x1525 (4x5)/1250x1525 (4x5)
Thickness, mm	1525x1250 (5x4)/1525x1250 (5x4)/1500x1200 (5x4)/1500x1120 (5x4)
	2500x1250 (8x4)/2440x1220 (8x4)/2130x1220 (7x4)/1830/1220 (6x4)
Grade	1525x3050 (5x10)/1525x2500 (5x8)
Formaldehyde emission	3-30 (other thicknesses on request)
Glue	LST B/B, LST B/BB, LST BB/BB, LPR B/B, LPR B/BB, LPR BB/BB
Density, kg/m ³	EI, E0.5, E0.05ppm, CARB ULEF
Moisture, %	MR (Interior)
Manufactured to company standard*	640-700
	≤10

Strength values

PARAMETER	THICKNESS, MM		VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-30	45
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		3-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-30	5,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA TOY

Developed with safety in mind and made of 100% birch wood, SVEZA Toy is a perfectly safe plywood material for the production of toys and children’s furniture. One of the few CARB approved ULEF manufacturers of plywood, Sveza guarantees that SVEZA Toy complies with the world’s highest safety standards.



Key features

- 01 **100% birch veneers**
- 02 **Natural wood grain**
- 03 **Very tight thickness tolerances**
- 04 **Certified as CARB ULEF***
- 05 **≥0.7 mm thick face veneer for extra sanding and painting**

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x1525 (4x5)/1250x1525 (4x5) 1525x1250 (5x4)/1525x1250 (5x4)
Thickness, mm	3–30 (other thicknesses on request)
Grade	T B/B, T B/BB, T BB/BB, T B/CP, T BB/CP, T CP/CP
Formaldehyde emission	E1, E0.5, E0.05ppm, CARB ULEF
Glue	MR (Interior)
Density, kg/m ³	640–700
Moisture, %	≤10
Manufactured to company standard**	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9–30	45
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		3–8	30
Modulus of elasticity in static bending, min MPa	along the grain	9–30	5,000
	across the grain		3,000

*Pursuant to CARB ATCM, Section 93120.3[d]

**For the relevant company standard refer to the Documents section on Sveza’s website www.sveza.com.

SVEZA DRAWER

SVEZA Drawer is 100% birch plywood specifically designed for making drawer sides and furniture components where the production process involves cutting, milling, and machining of planes and edges. SVEZA Drawer features extra control of bonding strength for an ideal dovetail joint, thicker face veneers for extra sanding and painting, and beautiful appearance of natural wood.



Key features

- 01 **100% birch veneers**
- 02 **Oval patching**
- 03 **Exceptional bonding strength**
- 04 **Face veneer thickness ≥ 0.7 mm**
- 05 **Thickness tolerance ± 0.3 mm**
- 06 **All sheets in the stack are one-direction, best side up**

Technical details

Panel sizes, length x width, mm (ft)	1525x1525 (5x5) 1220x1525 (4x5)/1250x1525 (4x5) 1525x1250 (5x4)/1525x1250 (5x4)
Thickness, mm	3-25
Grade	DR B/B, DR B/BB, DR BB/BB, DR B/CP, DR BB/CP, DR CP/CP
Formaldehyde emission	E1, E0.5, E0.05ppm, CARB ULEF
Glue	MR (Interior)
Density, kg/m ³	640-700
Moisture, %	≤ 10
Manufactured to company standard*	

Strength values

PARAMETER		THICKNESS, MM	VALUE
Static bending strength, min MPa	along the grain of the face veneers	9-15	45
	across the grain of the face veneers		30
Tensile strength along the grain, min MPa		5-8	30
Modulus of elasticity in static bending, min MPa	along the grain	9-15	5,000
	across the grain		3,000

*For the relevant company standard refer to the Documents section on Sveza's website www.sveza.com.

SVEZA GAS

SVEZA Gas are high-quality 100% birch plywood insulation panels for LNG cargo containment systems designed under GTT’s NO96, Mark III or GST system requirements for the transport and storage of liquefied natural gas.



Key features

- 01 Full compliance with GTT’s standards
- 02 ABS, BV, CCS, DNV GL, KR, LR and RS certifications
- 03 Tight quality control at each manufacturing stage
- 04 Excellent strength
- 05 Any size from A4 to 1525×3050 mm
- 06 On-time delivery

Technical details

Panel sizes, length x width, mm	Any size from A4 to 1525x3050 mm
Thickness	≥4 mm
Grade	BB/BB, BB/WG and WG/WG

THICKNESS TOLERANCES

SVEZA Gas Mark III
Manufactured to Mark III M3010 specifications

PARAMETER	THICKNESS, MM	VALUE
Shear strength (in the original state and after three thermal shocks), average, MPa	6.5, 9, 12, 15, 21, 30	≥3.5
	24, 35, 92	≥2.5
Shear strength (after boiling), average, MPa	6.5, 9, 12, 15, 21, 30, 24, 35, 92	≥1.4
Static bending strength, MPa	along and across the grain	12, 18 ≥30
	along the grain	30 58
	across the grain	30 50
Tensile strength, average, MPa	along and across the grain	6.5 40
	along the grain	9, 12, 15 60
	across the grain	9, 12, 15 40

Gas NO96 и NO96 L03 & L03+
Manufactured to M3502 (NO96) and M3513 (NO96 L03 & L03+) specifications

PARAMETER		THICKNESS, MM	VALUE
Shear strength, MPa	NO96	6.5-35	≥1
	NO96 L03	35-42	≥1
Static bending strength, average, MPa	across the grain	6.5-35	≥50
		6.5-9	≥80
		12	≥75
		15	≥70
	along the grain	21	≥65
		24	≥61
		30	≥58
		35	≥56
In-plane compressive strength, MPa	NO96 L03	35-42	≥28



APPLICATION

Construction

Shuttering for floor slabs

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

Shuttering for vertical structures

Product: SVEZA Film-Faced
Size, ft: 5x10
Thickness, mm: 12, 15, 18, 21
Surface: F/F

Concrete block shuttering

Product: SVEZA Film-Faced
Size, ft: 4x8, 5x10
Thickness, mm: 12, 15, 18, 21
Surface: F/F

Scaffolding

Product: SVEZA Exterior, SVEZA Film-Faced
Size, ft: 4x8, 5x10
Thickness, mm: 12, 15, 18
Surface: F/W

Industrial flooring (stairs, overpasses, stands)

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



APPLICATION

Transport

Trailers, semi-trailers

Product: SVEZA Film-Faced, SVEZA Titan
Size, ft: 4x8, 5x10, 5x8
Thickness, mm: 24, 27, 30, 35
Surface: F/W [flooring]

Box trucks

Product: SVEZA Exterior, SVEZA Film-Faced, SVEZA Titan
Size, ft: 4x8, 5x10, 5x8
Thickness, mm: 9, 12, 15, 18, 21, 24, 27
Grade: BB/BB, BB/CP, CP/CP [walls and doors]
Surface: F/W [flooring], F/F [walls and doors]

Light commercial vehicles

Product: SVEZA Exterior, SVEZA Film-Faced, SVEZA Color Light Grey, SVEZA Hexa
Size, ft: 4x8, 5x10, 5x8
Thickness, mm: 4, 5, 6, 9, 12, 15, 18
Grade: BB/BB, BB/CP, CP/CP [walls and doors]
Surface: F/W [flooring], F/F [walls]

Buses

Product: SVEZA Exterior, SVEZA Film-Faced
Size, ft: 5x10, 4x8
Thickness, mm: 9, 12, 15, 18
Grade: CP/C [flooring]
Surface: F/F [walls], F/W [flooring]



APPLICATION

Packaging

Product: SVEZA Exterior, SVEZA Interior
Size, ft: 5x5, 4x8, 5x10
Thickness, mm: 6-21
Grade: CP/C, C/C



APPLICATION

Furniture and interiors

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



APPLICATION

Laser cutting

Product: SVEZA Laser

Size, ft: 5x5, 4x5

Thickness, mm: 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 cargo containment systems

Product: SVEZA Gas

Size: Any size from A4 to 1525x3050 mm

Thickness, mm: 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 and WG/WG



APPLICATION

Engineered wood flooring

Product: SVEZA Exterior, SVEZA Parquet

Size, ft: 4x8, 5x8

Thickness, mm: 5.9-21

Grade: PST CP/CP, PST CP/C,

PPR BB/BB, PPR BB/CP, PPR CP/CP



APPLICATION

Children's furniture and toys

Product: SVEZA Interior, SVEZA Exterior, SVEZA Film-Faced,
SVEZA Toy, SVEZA Color

Size, ft: 5x5, 4x8

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

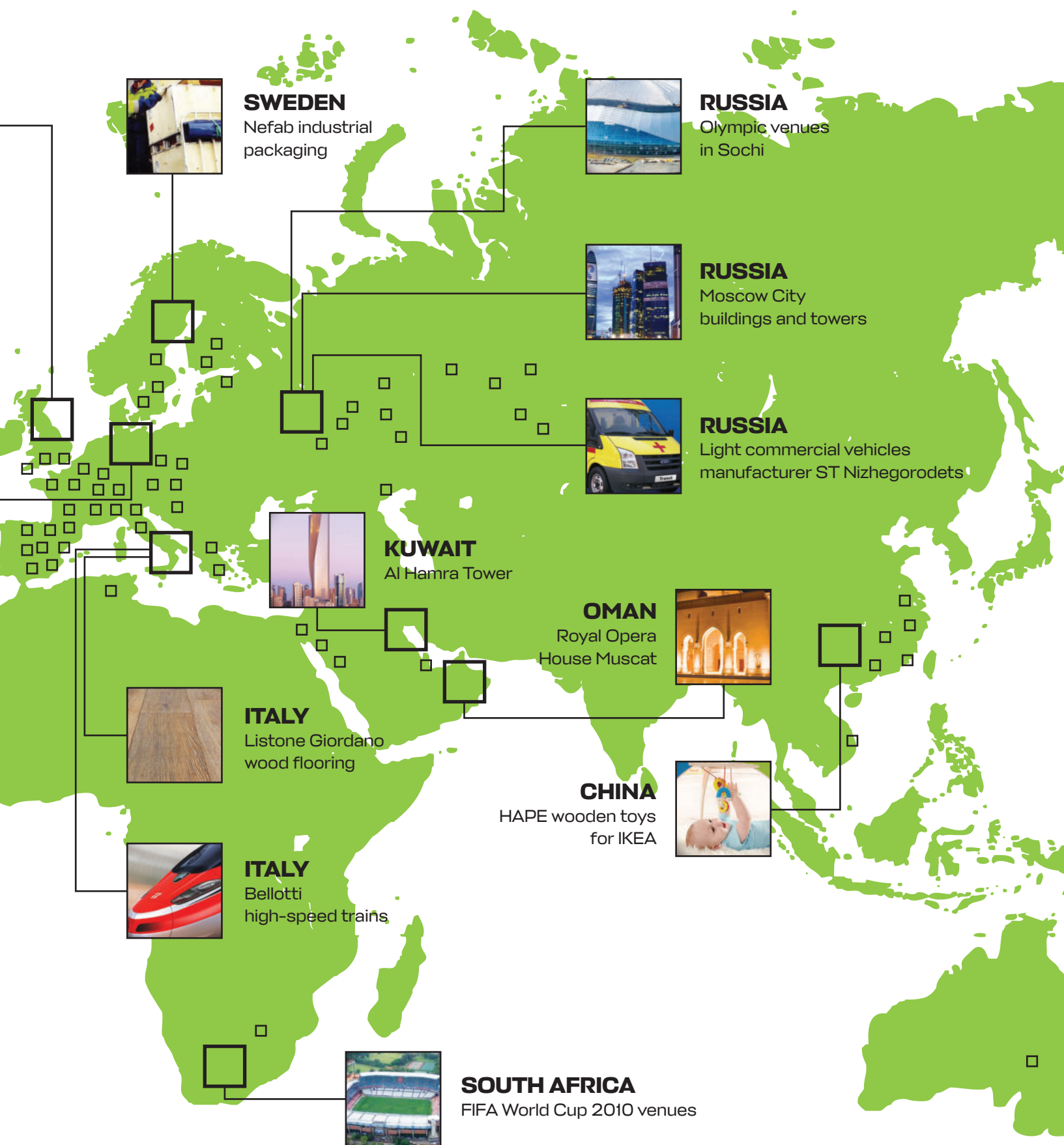
Grade: T B/B, T B/BB, T BB/BB, T B/CP, T BB/CP, T CP/CP

Surface: F/F, F/W

SVEZA around the world

SVEZA plywood successfully sells in 90 countries around the globe





SWEDEN
Nefab industrial
packaging



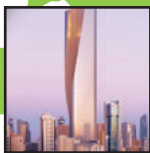
RUSSIA
Olympic venues
in Sochi



RUSSIA
Moscow City
buildings and towers



RUSSIA
Light commercial vehicles
manufacturer ST Nizhegorodets



KUWAIT
Al Hamra Tower



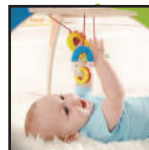
OMAN
Royal Opera
House Muscat



ITALY
Listone Giordano
wood flooring



ITALY
Bellotti
high-speed trains



CHINA
HAPE wooden toys
for IKEA



SOUTH AFRICA
FIFA World Cup 2010 venues

Technical data

Number of sheets in a bundle

BUNDLE HEIGHT, MM		
Sheet thickness, 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

Thickness tolerances

		SANDED PLYWOOD		UNSANDED PLYWOOD	
Sheet thickness, mm	Plyes	Tolerance, mm	Thickness variation, mm	Tolerance, mm	Thickness variation, 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	1.5
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	1.0	+ 1.3; - 0.8	
21	15	0.0; -1.1		+ 1.0; - 1.1	2.0
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	
35	25	0.0; - 2.0		+ 1.6; - 2.0	
40	28/29	+ 1.2; - 1.2		+ 1.6; - 2.0	

SVEZA plywood can be made to the customer's specifications for thickness, number of plies, and tolerances.

Size tolerances

Sheet length/width, mm	Tolerance, mm
1,220; 1,250	±3.0
1,500; 1,525	±4.0
2,440; 2,500	±4.0
3,000; 3,050	±5.0

Other sizes are available to order.
The length of a plywood sheet is measured along the grain of the face and back veneers.

Transport loading rates

Size, ft	CONTAINER			TRUCK		RAIL CAR (138 M ³)	
	Bundle height, mm	Number of bundles	Volume, m ³	Number of bundles	Volume, m ³	Number of bundles	Volume, m ³
5x5	400	40	36-37	32	30	62-82	58-75
4x8x4 (1250x2500x1250mm)	400	29-30	36-37	24	30	60-74	75-92
SVEZA Exterior	600	—	—	16	30	45	84
4x8x4 (1220x2440x1220mm)	400	30-31	36-37	25	30	60-74	71-88
SVEZA Exterior	600	—	—	16	30	45	80
4x8x4 (1250x2500x1250mm)	400	28-29	35-36.5	23-24	29-30	60-74	75-92
SVEZA Film-Faced	600	—	—	16	30	45	84
4x8x4 (1220x2440x1220mm)	400	29-30	35-36	24	29	60-74	71-88
SVEZA Film-Faced	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	—	—

Actual loading rates may be different, depending on the terms agreed with the customer.

Distance from Moscow to Sveza plywood mills

Mill	Distance, km
SVEZA Ust Izhora, St. Petersburg	685
SVEZA Kostroma, Kostroma	412
SVEZA Novator, Vologda Region	1,024
SVEZA Uralsky, Perm Region	1,411
SVEZA Manturovo, Kostroma Region	671
SVEZA Verkhnyaya Sinyachikha, Ekaterinburg Region	1,474
SVEZA Tyumen, Tyumen	1,710

