



PLYWOOD

www.dastas.com.tr | info@dastas.com.tr





About Us



Demirciođlu Ađaç San. Tic. A.Ş. (DASTAS) was founded in Adapazarı/Sakarya on the north-west region of Turkey in 1978. Its plywood production facility is established in Keresteciler Industrial Area on a 30.000 m² total private land where 13.000m² is covered area.

One of the very first plywood factories in Turkey BİZON Ađaç Sanayi ve Ticaret A.Ş. which was founded in 1970 and still active on the same production field and produces plywood on a private land over 56.000 m² where 15.000 m² is covered area.

BIZON has been acquired by DASTAS's partners in 1996, and brought to the country's economy with its developed, renewed production capacity, technology and machine park.

In 2010, DASTAS established a dried rotary-cut veneer and plywood production mill called 'DB-WOOD' in Ukraine's Ivano Frankivsk region.

DASTAS, is Turkey's one of the major plywood producers with over 60.000 m³ annual production amount.



DASTAS BIRCH EXTERIOR

Dastas Birch Exterior is a premium brand of birch plywood known for its superior quality. Achieving excellent water resistance is a result of utilizing phenol-formaldehyde resin for veneer bonding. The product is certified as safe for both human health and the environment. Additionally, Dastas plywood holds a CARB certificate, signifying the use of ultra-low-emitting formaldehyde adhesive, with formaldehyde emissions tested at 0,01 ppm (limit value: 0,05ppm) according to CARB standards. Dastas Birch Exterior Plywood is distinguished by its outstanding performance attributes, including wear-resistance, ease of processing, and lightweight nature – all achieved through the use of top-quality raw materials in its production.

Characteristics and Advantages

- 100% birch plywood
- Elegant and sustainable
- Beautiful texture of birch wood
- Excellent strength and durability
- A wide range of dimensions and thicknesses
- Excellent bonding properties
- Eco-friendliness
- Multipurpose use
- In terms of formaldehyde emission, it meets the requirements for emission class E1.



Application

- Construction
- Commercial Vehicles
- Interior Design
- Production of high-quality furniture
- Packaging

Specifications

Thicknesses (mm)	9;12;15;18;21;24;27;30
Sizes (mm)	2500 x 1250 or 1250 x 2500, 1500 x 3000, 1525 x 3050, cut-to-size.
Grades	2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Type of surface	not-sanded (NS) and both sides sanded (S2)
Bonding	EN 314-2 / Class 3
The formaldehyde emission (limit value: 3,5mg/h x m2)	0,1 - 0,3 mg/h x m2



Birch B



Birch BB



Birch BB

DASTAS BIRCH INTERIOR

Dastas Birch Interior presents a birch plywood designed for a variety of indoor applications. Its strength is derived from the use of urea-formaldehyde resin (MR) in veneer bonding. Birch interior plywood is characterized by its lightweight, high-wear resistance, excellent performance attributes, and a hard surface. The material is straightforward to process and can be easily cut to the desired size.

With the inherent beauty of birch wood texture, interior plywood does not require additional overlay. The alternating arrangement of cross and long grain veneer reduces the risk of wood deformation, ensuring resilience against warping, cracking, and twisting.

Characteristics and Advantages

- 100% birch veneer
- Good strength properties and durability
- Lightweight
- Dimensional stability
- Easy handling and installing
- Beautiful texture of birch wood

Application

- Furniture manufacturing
- Decoration works
- Production of toys



Specifications

Thicknesses (mm)	9;12;15;18;21;24;27;30
Sizes (mm)	2500 x 1250 or 1250 x 2500, cut-to-size.
Grades	2/2 (BB/BB), 2/3 (BB/CP), 2/4 (BB/C), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Type of surface	not-sanded (NS) and both sides sanded (S2)
Bonding	EN 314-2 / Class 3
The formaldehyde emission (limit value: 3,5mg/h x m2)	0,1 - 0,3 mg/h x m2



Birch BB



Birch CP



Birch C

DB-WOOD - Film-faced birch plywood with smooth surface

Film-faced plywood, marketed under the DB-WOOD brand, is produced using exterior birch plywood as a base, covered with a high-density paper film impregnated with phenol-formaldehyde resin. This resilient phenolic film, smooth and durable, enhance the plywood's resistance to both mechanical impacts and moisture absorption.

The water-resistant phenolic film is presented in a durable brown colour that remains unaffected by prolonged exposure to sunlight. To complete finishing touches, the edges of the film-faced plywood are coated with epoxy paint.

Characteristics and Advantages

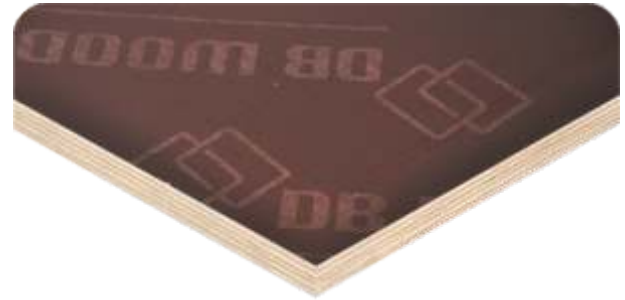
- High resistance to surface abrasion
- Resistance to different environmental and chemical conditions
- Increased water resistance
- Exceptional strength and hardness
- Smooth and easy-to-clean surface

Application

- Construction
- Commercial Vehicle
- Packaging

Specifications

Thicknesses (mm)	9;12;15;18;21;24;27;30
Sizes (mm)	1250 x 2500 / 1500 x 3000 / 1525 x 3050
Grades	I/I
Type of surface	F/F (smooth/smooth)
Film density	125 / 125 g/m ²
The formaldehyde emission (limit value: 3,5mg/h x m ²)	0,1 - 0,3 mg/h x m ²
Ply	13
Glue	Phenol-formaldehyde, WBP
Film Color	Dark Brown



DST - Film-faced pine/poplar plywood with smooth surface

Film-faced plywood marketed under the DST brand, is produced using exterior pine/poplar plywood as a base, covered with a high-density paper film impregnated with phenol-formaldehyde resin. This product has 9 plies, 125g/m² dark brown phenolic film coated on both sides with DST logo.

This resilient phenolic film, smooth and durable, enhances the plywood's resistance to both mechanical impacts and moisture absorption. The water-resistant phenolic film is presented in a durable brown colour that remains unaffected by prolonged exposure to sunlight. Edges are coated with specially produced epoxy edge paint to increase material durability.

Characteristics and Advantages

- Versatility
- Moisture Resistance
- Endurance
- Weather Resilience
- Outdoor durability
- Flexible usage
- Cost effective with High Functionality

Application

- Construction
- Industrial Applications
- Shelves and furniture making
- Flooring material for vehicles and platforms

Specifications

Thicknesses (mm)	18;21
Sizes (mm)	1250 x 2500
Grades	I/I
Type of surface	F/F (smooth/smooth)
Film density	125 / 125 g/m ²
The formaldehyde emission (limit value: 3,5mg/h x m ²)	0,1 - 0,3 mg/h x m ²
Film Color	Dark Brown





DASTAS ANTISLIP WIRE MESH

Wear-resistant anti-slip film faced plywood with wiremesh pattern

Dastas Antislip Wire Mesh represents a distinctive type of film-faced birch plywood featuring a slip-resistant surface. Phenolic film overlays both sides of the plywood with one side a slip-resistant wire mesh surface. The film-faced plywood surface exhibits resistance to diverse weather conditions and chemicals, while the multilayer structure of birch plywood contributes to outstanding strength.

These combined features make Dastas Antislip Wire Mesh an ideal choice for manufacturing wear-resistant surfaces, particularly well-suited for applications like heavy-duty transport floors. Additionally, the edges of the plywood can be coated with epoxy paint to safeguard against moisture absorption.

Characteristics and Advantages

- Optimal slip resistance
- Exceptional abrasion resistance
- Resilience against the impact of material handling equipment's roller wheels
- High load-bearing capacity
- Surface resistant to water
- Resilience against weather and chemicals

Application

- Commercial Vehicles
- Construction
- Packaging



Specifications

Thicknesses (mm)	9;12;15;18;21;24;27;30
Sizes (mm)	1250 x 2500 / 1500 x 3000 / 1525 x 3050
Grades	I/I
Type of surface	F/W (smooth/wire)
Film density	125 / 250 g/m ²
The formaldehyde emission (limit value: 3,5mg/h x m ²)	0,1 - 0,3 mg/h x m ²
Glue	Phenol-formaldehyde, WBP
Film Color	Dark Brown
Grades	R12 *Resistance to slip is tested according to TS EN 16165 (DIN 51130)
Slip Resistance	F/W (smooth/wire)



DASTAS ANTISLIP HEXA

Decorative anti-slip film faced plywood with Hexa pattern

Dastas Antislip Hexa represents a birch plywood brand renowned for its outstanding anti-slip features, achieved through the application of hexa pattern on the phenolic film overlay. This film ensures durability, making the surface of the plywood resistant to diverse weather conditions and chemicals.

The phenolic film maintains its colour integrity even with prolonged exposure to sunlight. Dastas Antislip Hexa is widely used for decoration, offering both eco-friendly features and a visually appealing design. The edges of the plywood can be coated with epoxy paint for a refined finish.

Characteristics and Advantages

- Multifunctionality
- Optimal slip resistance
- Strong resistance to abrasion
- Capability for deep imprints
- Decorative surface

Application

- Commercial Vehicles
- Interior Decoration
- Packaging

Specifications

Thicknesses (mm)	9;12;15;18;21;24;27;30
Sizes (mm)	1250 x 2500 / 1500 x 3000 / 1525 x 3050
Grades	I/I
Type of surface	F/H (smooth/hexa)
Film density	125 / 250 g/m ²
The formaldehyde emission (limit value: 3,5mg/h x m ²)	0,1 - 0,3 mg/h x m ²
Film Color	Dark Brown
Grades	R9 *Resistance to slip is tested according to TS EN 16165 (DIN 51130)



DASTAS POPLAR INTERIOR PLYWOOD

Dastas poplar plywood, which is designed for a wide array of applications, where the emphasis is on achieving a perfect balance of lightweight construction and robust strength. Boasting a density of 500-530 kg/m³, our product stands out across diverse applications.

Committed to the utmost standards, our material proudly achieves a Class 1 bonding classification in accordance with EN314-2, and options for classes 2 and 3 are readily available upon request.

Characteristics and Advantages

- Bright one-sided bleached surface
- Controlled, verified quality.
- A wide selection of thicknesses
- High bending strength and strong nail holding
- Without warping and cracking, steady quality
- Easy to nail, saw cutting and drilling.
- The poplar plywood is crafted from real natural wood.



Application

- Furniture production
- Toys
- Packaging
- Construction
- Interiors of caravans

Specifications

Thicknesses (mm)	4;5;6;8;10;12;15;18;20
Sizes (mm)	1250x2500 or 2500x1250, 1220x2440 or 2440x1220
Grades	2/3 (BB/CP), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Type of surface	not-sanded (NS) and both sides sanded (S2)
Bonding	EN314-2 / Class 3
The formaldehyde emission (limit value: 3,5mg/h x m2)	0,1 - 0,3 mg/h x m2
Glue	Urea-formaldehyde



Poplar BB



Poplar CP



Poplar C

DASTAS PINE EXTERIOR PLYWOOD

Introducing our pine exterior plywood, crafted from locally sourced pine wood and enhanced with high structural properties, ensuring exceptional durability. With the added strength of WBP glue, this plywood is ideal for applications that demand superior surface quality and long-lasting performance. Its versatile nature allows for easy polishing, providing a smooth and refined finish.

Whether you prioritize structural integrity or aesthetic appeal, this plywood is the perfect choice. Lightweight (550-600 kg/m³) and easy to work with, it boasts excellent static properties, making it a top-tier material for a wide range of projects. Elevate your craftsmanship with this reliable and high-quality plywood.

Characteristics and Advantages

- Preferred across various fields for its durability and resistance to shrinking and swelling.
- Exhibits high mechanical properties for reliable performance.
- Excellent ability to securely hold nails and screws.
- Easy to process, making it a versatile choice for various applications.
- Boasts both functionality and decorative appeal.

Application

- Furniture
- Boat
- Construction industry
- Roofing
- Packaging industry
- Container base
- Interior
- Billboards
- It is used in fields such as automotive.



Specifications

Thicknesses (mm)	8;9;12;15;18;21;24;27;30
Sizes (mm)	1250 x 2500 or 2500 x 1250
Grades	2/3 (BB/CP), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Type of surface	not-sanded (NS) and both sides sanded (S2)
Bonding	EN314-2 / Class 3
The formaldehyde emission (limit value: 3,5mg/h x m2)	0,1 - 0,3 mg/h x m2



Pine BB



Pine CP



Pine C

DASTAS BEECH EXTERIOR PLYWOOD

Experience Dastas Beech Plywood's exceptional strength and shape durability. Crafted from local beech, known for its exceptional hardness, this plywood offers great resilience, hardness, and wear resistance, making it ideal for a range of applications. Whether used in construction or aesthetically less demanding applications, our beech plywood a reliable and sturdy foundation.

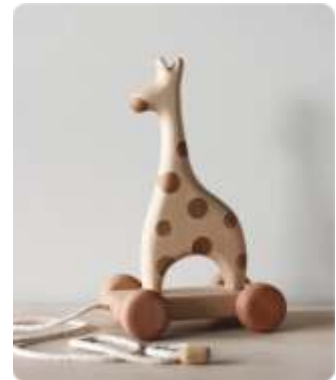
Its smooth, even surface creates an optimal base for various coating methods, allowing you to achieve the desired finish effortlessly. Elevate your projects with our beech plywood, where quality meets functionality seamlessly.

Characteristics and Advantages

- The natural and noble appearance are reminiscent of solid wood.
- High surface quality
- A large selection of thicknesses
- It meets the requirements of the E1 emission class (EN120:1992) in terms of formaldehyde emission.
- Wear and tear resistance
- Good tensile strength / weight ratio

Application

- Furniture
- Construction
- Musical instruments
- Toys



Specifications

Thicknesses (mm)	4;5;6;8;10;12;15;18;20
Sizes (mm)	1700 x 2200 or 2200 x 1700
Grades	2/3 (BB/CP), 3/3 (CP/CP), 3/4 (CP/C), 4/4 (C/C)
Type of surface	not-sanded (NS) and both sides sanded (S2)
Bonding	EN314-2 / Class 3
The formaldehyde emission (limit value: 3,5mg/h x m2)	0,1 - 0,3 mg/h x m2



Beech B



Beech BB



Beech CP



Beech C

BENDING PLYWOOD

Bending plywood is a specially engineered wood product designed to accommodate complex shapes and curves. It is crafted with thin layers of veneer and a specialized adhesive that allows it to flex without compromising its structural integrity. This unique property makes it ideal for a wide range of applications in furniture making, cabinetry, and interior design, where seamless curves and organic shapes are desired. Its versatility, ease of use, and ability to create smooth, curved surfaces have made bending plywood a popular choice among craftsmen and designers seeking innovative and aesthetically pleasing solutions.

Characteristics and Advantages

- Flexibility
- Lightweight
- Variety of Thicknesses
- Smooth Surface
- Versatility
- Design Freedom
- Ease of Use
- Cost-Effective
- Durability
- Aesthetic Appeal
- Efficiency

Application

- Furniture Making
- Interior Design
- Cabinetry
- Architectural Features
- Exhibition and Retail Displays
- Boat Building
- Musical Instruments
- Automotive Interiors
- Theater and Stage Design

Specifications

Thicknesses (mm)	3;5;7;9;12
Sizes (mm)	1220x2440 or 2440x1220
Grades	OVL/BTR
Glue	Urea-formaldehyde



Imperfection and Reparation

Veneer quality depends on the wood species and individual conditions of the log where they have peeled from.

Closed knots, open knots, cracks and color differences are some natural imperfections could be found on veneers.

The visual quality of DASTAS plywood appears with the attentive distinguishing of the cover veneers to obtain the natural imperfections convenient to the required standards.

In addition to attentive distinguishing of the cover veneers, imperfections are repaired via wooden patching and/or synthetic putty to improve the surface quality.

Following figures indicate examples of possible imperfections on plywood surfaces and appropriate reparation applications.



Open Knot



Closed Knot



Synthetic Reparation



Wooden Patch

Thickness Tolerances

Plywood panels are produced according to TS EN 636:2012+A1 standard.

Table below indicates the thickness tolerances for standard plywood kinds.

Thickness	Calibrated Panels				Uncalibrated Panels		
	Average (mm.)	Max. (mm.)	Min. (mm.)	Relative Difference (mm.)	Max. (mm.)	Min. (mm.)	Relative Difference (mm.)
9	8,7	9,5	8,3	≤0,6	10,1	8,3	≤ 1,0
10	9,7	10,5	9,3				
12	11,7	12,6	11,3				
15	14,7	15,6	14,2				
18	17,7	18,7	17,1				
21	20,7	21,7	20,1	≤0,8	22,3	20,1	≤ 1,5
24	23,7	24,7	23,1				
27	26,7	27,9	25,9				
30	29,7	30,9	28,9				

Standard Panel Dimensions: 2500mm x 1250mm / 1250mm x 2500mm

Optional Panel Dimensions: 1500mm x 3000mm
 1525mm x 3050mm
 1220mm x 2440mm / 2440mm x 1220mm
 2200mm x 1700mm / 1700mm x 2200 mm
 1525mm x 1525mm

Other optional dimensions according to the customer needs could be applied.

Packaging for Pine Products

DASTAS Pine Plywood are packaged as a standard pile, covered via protective carton on bottom and top then tied with 5 steel belts in 2 axes.

DASTAS Pine Film Faced Plywood in addition to standard packaging, covered via protective carton on long side surfaces and epoxy painted edge surfaces then tied with 5 steel belts in 2 axes.

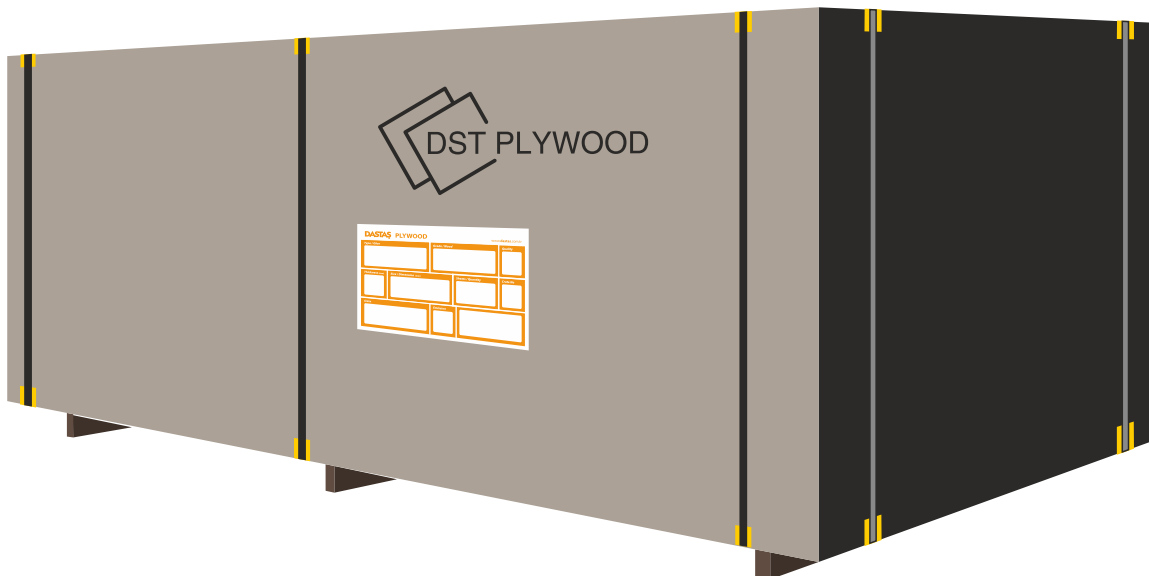
Approximate weights of our standard packaging are 1650 – 1750 kg.

Packaging details are indicated below:

Thickness (mm.)	pcs/plt	m ³ /plt	
		1220 mm x 2440 mm	1250 mm x 2500 mm
9	100	2,679	2,81
10	90	2,679	2,81
12	75	2,679	2,81
15	60	2,679	2,81
18	50	2,679	2,81
21	45	2,813	2,95
24	38	2,715	2,85
27	34	2,733	2,87
30	30	2,679	2,81

Optional packaging can be applied according to customer requests.

Picture below shows, DASTAS Pine Film Faced Plywood 2500 mm x 1250 mm standard packaging example.



Packaging for Birch Products

DASTAS Birch Plywood are packaged as a standard pile, covered via protective carton on bottom and top then tied with 5 steel belts in 2 axes.

For 1500 x 3000 dimensions, it is packaged as a standard, covered with protective cardboard (sometimes plywood) on the bottom and top, and tied with 7 steel belts in 2 axes. Packaging may vary depending on the type of loading.

DASTAS Birch Film Faced Plywood in addition to standard packaging, covered via protective carton on side surfaces and epoxy painted edge surfaces then tied with 5 steel belts in 2 axes.

Approximate weights of our standard packaging are 985 – 1020 kg for standard dimensions.
Approximate weights of our standard packaging for 1500 x 3000 are 1250 kg.

Packaging details are indicated below:

Thickness (mm.)	pcs/plt		m ³ /plt		
	1220x2440 1250x2500	1500x3000	1220 mm X 2440 mm	1250 mm X 2500 mm	1500 mm X 3000 mm
9	50	44	1,340	1,41	1,782
12	38	33	1,357	1,43	1,782
15	30	26	1,340	1,41	1,755
18	25	22	1,340	1,41	1,782
21	22	19	1,375	1,44	1,796
24	19	16	1,357	1,43	1,728
27	17	14	1,366	1,43	1,701
30	15	14	1,340	1,41	1,890

Optional packaging can be applied according to customer requests.

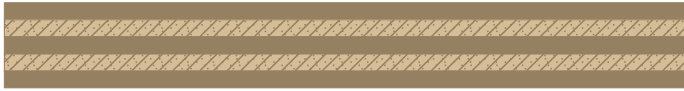
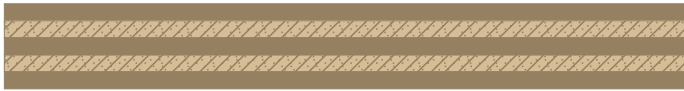
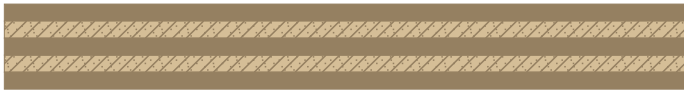
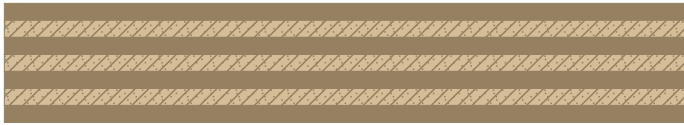
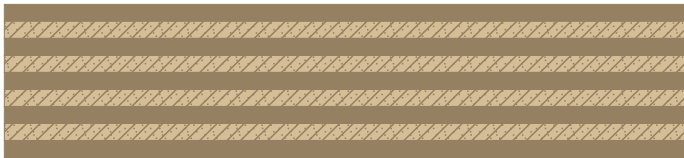

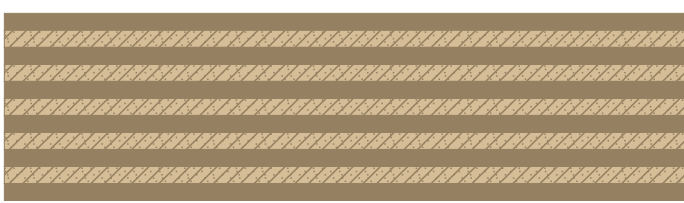

Picture below shows, DASTAS Birch Film Faced Plywood 2500 mm x 1250 mm standard packaging example.



DASTAS Pine Plywood Panel Plies

Production of pine plywood is made from different thicknesses of veneers' combinations such as 1.5 mm, 2.1 mm and 2.6 mm.

Figure below shows the veneer combinations for different thicknesses of panels.

	2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm	8 mm 5 Ply
	2,1 mm 2,1 mm 1,5 mm 2,1 mm 2,1 mm	9 mm 5 Ply
	2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm	10 mm 5 Ply
	2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm	12 mm 7 Ply
	2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm 1,5 mm 2,1 mm	15 mm 9 Ply
	2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm	18 mm 9 Ply
	2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm	21 mm 11 Ply
	2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm 2,1 mm	30 mm 15 Ply

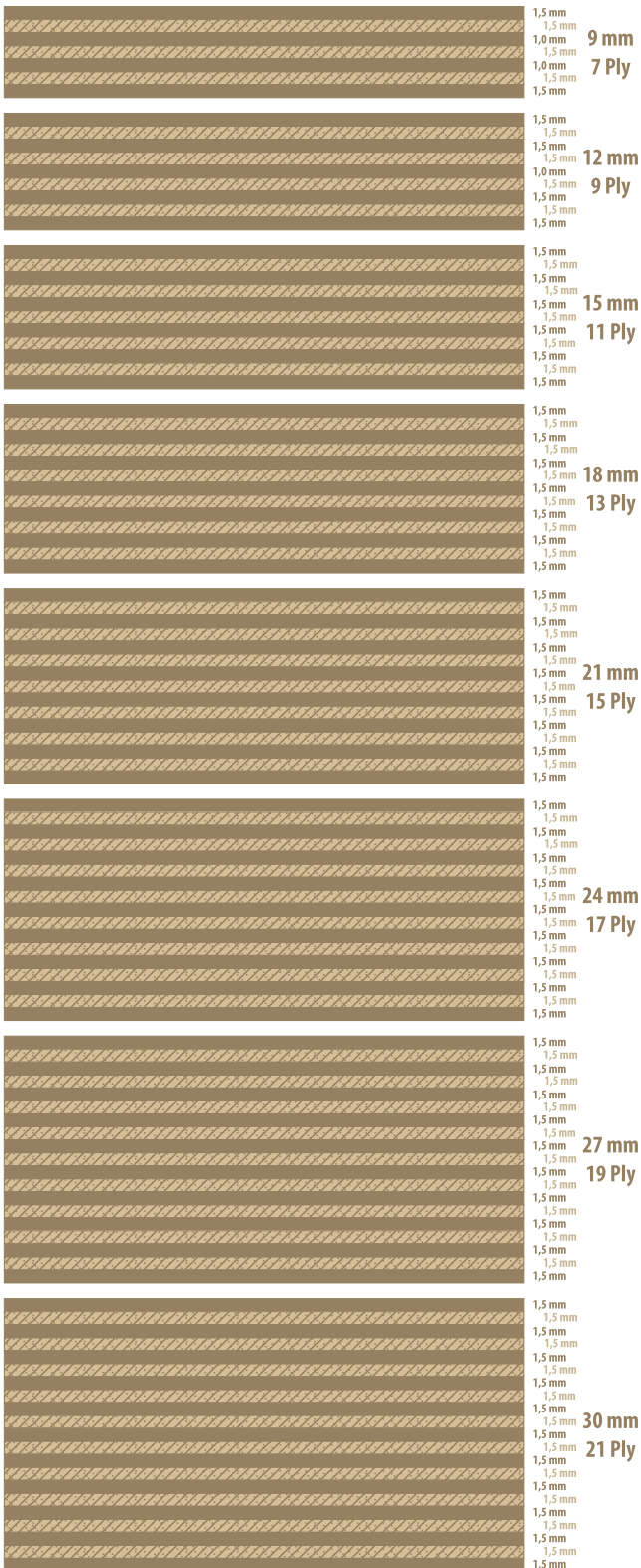


Note: The combinations shown above may not be applicable for all the kinds.

DASTAS Birch Plywood Panel Plies

Production of birch plywood is made from different thicknesses of veneers' combinations such as 1 mm and 1,5 mm.

Figure below shows the veneer combinations for different thicknesses of panels.



Note: The combinations shown above may not be applicable for all the kinds.





Address: Tekeler Mah. Cadde, Sokak No:45, No:16
Keresteciler Sanayii Sitesi Adapazarı - Sakarya / Türkiye
Phone: +90 (264) 323 33 66 (3hat) | Fax: +90 (264) 323 38 88
E-Mail: info@dastas.com.tr
Web: www.dastas.com.tr