



BYDGOSKIE ZAKŁADY SKLEJEK

**SKLEJKA
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DATA SHEET

Coniferous plywood

A wood-based board composed of glued plies of wood (outer and middle veneers), whereat the directions of fibre of adjacent plies are staggered by 90°. Face veneers (outer veneers) are made of pine or spruce, while the middle veneers can be of:

- Pine – homogenous pine plywood 100%
- Birch, alder, pine – combined coniferous plywood.

The types of plywood by the type of glue bond :

- **Moisture resistant plywood** - on the basis of urea-formaldehyde resin, for use in dry conditions (according to PN-EN 636), meeting the requirements of 1 gluing class quality according to PN-EN 314-2
- **Semi weather-boil-proof** - produced on the basis of urea-melamine-formaldehyde resin, for use in humid conditions (according to PN-EN 636), meeting the requirements of 2 gluing class quality according to PN-EN 314-2.
- **Weather-boil-proof** - on the basis of phenol-formaldehyde resin, for use in exterior conditions (according to PN-EN 636), meeting the requirements of 3 gluing class quality according to PN-EN 314-2

Quality classes:

(acc. to EN 635 – 3) I, II, III, IV.

Thickness and tolerance range:

(acc. to EN 315) 4 - 50 mm

Standard sizes:

2500×1250 mm
2440×1220 mm
2130×1220 mm
1530×1530 mm

or acc. to arrangements with the customer

- length and widths tolerance: $\pm 3,5$ mm (acc. EN 315),
- edge tolerance: $\pm 1,0$ mm/m lengths of the side (acc. EN 315).

Selected parameters on the example of coniferous plywood

Nominal thickness	Number of layers	Thickness tolerance [mm]		Density [kg/m ³]	Mechanical properties			
		min.	max.		Static bending [MPa]		Modulus of elasticity [MPa]	
					//	⊥	//	⊥
4	3	3,5	4,3	-	-	-	-	
6	5	5,4	6,4	-	-	-	-	
9	7	8,3	9,5	-	65	40	7000	4000
12	9	11,2	12,6	718				
15	11	14,1	15,7	718	60	45	6000	5000
18	13	17,1	18,7	689				
21	15	20,0	21,8	700	60	50	6000	5000
24	17	22,9	24,9	687				
30	21	28,7	31,5	786	-	-	-	-
35	25	33,6	36,7	719				
40	29	38,4	42,0	-	-	-	-	-

Humidity: 10±5% (acc. to PN-EN 322), **density:** do 680 kg/m³ (acc. to PN-EN 323).

Additional information

Cutting to smaller sizes , straight and profiled finishing of the edges, drilling, milling of grooves, slots, rabbets - in CNC centres,

Application

Furniture, packaging, construction, boat building, cheese production, woodworking, etc.

Certificates

FSC®; ISO: 9001:2008

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