

Datasheet: European Decorative Pine Plywood

Rotary cut European Decorative Pine Plywood has a striking wild grain that produces an interesting and fresh visual effect.

Carefully produced to a high decorative specification.
Fire rated option available to Euroclass B s1,d0

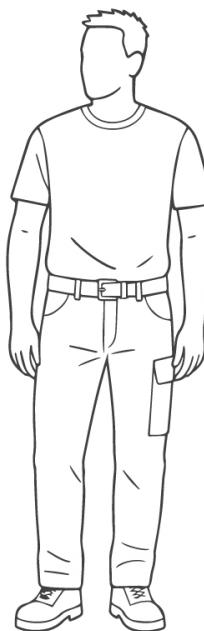
Suitable applications:

- Internal wall cladding
- Ceiling panels
- Acoustic panels
- Joinery & shop fitting
- Furniture
- CNC machining

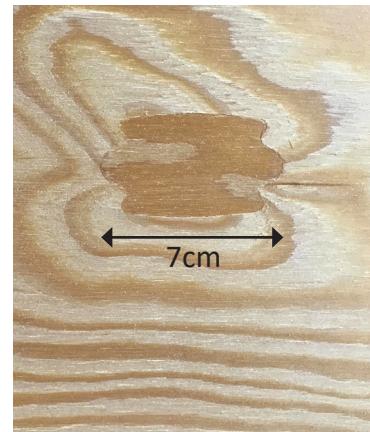
Grade I



Full size 2440 x 1220 panels



Grade II



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Classification according to characteristics inherent in wood			
Category of characteristics		Appearance Class	
		I	II
3.2.1.1	Pin Knots Sound, inter grown no more than 3mm diameter	3 per m ² permitted	Permitted
3.2.1.2	Sound inter grown knots	15mm provided their cumulative diameter does not exceed 30mm per m ²	Permitted up to individual diameter of 50mm
3.2.1.3	Unsound or non-adhering knots and knot holes	Permitted up to an individual diameter of 6mm if filled and up to a number of 2 per m ²	Permitted up to an individual diameter of 5mm if repaired, 25mm if filled and up to a number of 6 per m ²
3.2.1.4	Open Splits	Permitted if less than 1/10 of panel length up to an individual length of 3mm	
	Closed Splits	Permitted	Permitted
3.2.1.5	Anomalies due to insects, marine borers and parasite plants	Not permitted	Marks of parasitic plants not permitted. Insects and marine borer holes permitted up to a diameter of 3mm, up to 10 per m ²
3.2.1.6	Resin pockets and inbark	Not permitted	Permitted up to a width of 6mm, if properly filled
	Resin streaks	Not permitted	Permitted if slight
3.2.1.7	Irregularities in the structure of the wood	Permitted if very slight	Permitted if slight
3.2.1.8	Discolouration which is not wood destroying	Permitted if low contrast	Permitted if low contrast
3.2.1.9	Fungal decay, wood destroying	Not permitted	Not permitted
3.2.1.10	Other characteristics	To be considered under the category which they most closely resemble	
NOTE: Characteristics inherent to wood are permitted provided that they do not impair the serviceability of the panel			

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Classification according to manufacturing defects			
Category of defects		Appearance Class	
		I	II
3.2.2.1	Open Joints	Not permitted	Permitted up to a width of 3mm and up to 1 per m of panel width, with joint filled if more than 1mm in width
3.2.2.2	Overlaps	Not permitted	Permitted up to a number of 1 per m ² and up to 100mm length
3.2.2.3	Blisters	Not permitted	Not permitted
3.2.2.4	Hollows, imprints and bumps	Not permitted	Permitted if slight
3.2.2.5	Roughness	Not permitted	Permitted if slight
3.2.2.6	Sanding through	Not permitted	Not permitted
3.2.2.7	Glue penetration	Not permitted	Permitted if slight and occasional
3.2.2.8	Foreign particles	Not permitted	Ferrous particles not permitted
3.2.2.9	Repairs: Patches and shims (plugs)	Permitted if properly made and tightly filled up to 5 per m ²	Permitted if properly made and tightly filled. Quantity not limited
	Synthetic fillers	Not permitted	Permitted with limits of the category which it most closely resembles
3.2.2.10	Defects at the edges of the panel due to sanding or sawing	Permitted up to 2mm from the edge	Permitted up to 5mm from the edge
3.2.2.11	Other defects	To be considered under the category which they most closely resemble	
NOTE: Manufacturing defects are permitted provided that they do not impair the serviceability of the panel			

Harmonised standard EN 13986+A1:2015				
Characteristic	End use condition	Min thickness mm	Performance	
			Class (ex floorings)	Class (floorings)
Reaction to fire	without an air gap behind the wood-based panel	9	D-s2, d0	Dfl-S1
	with a closed or an open air gap not more than 22mm behind the wood-based panel	9	D-s2,d2	-
	with a closed air gap behind the wood-based panel	15	D-s2,d1	Dfl-S1
	with an open air gap behind the wood-based panel	18	D-s2,d0	Dfl-S1
	any	3	E	Efl

Fire rated panels to Euroclass B available (see page 4)

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Nominal thickness	Number of layers	Thickness tolerance [mm]		Density [kg/m³]	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					
18	13	17.1	18.7	689	60	45	6000	5000	
21	15	20.0	21.8	700					
24	17	22.9	24.9	687	50	50	6000	5000	
30	21	28.7	31.5	786					
35	25	33.6	36.7	719					
40	29	38.4	42.0	-	-	-	-	-	

Humidity: 10 +/- 5% (acc. PN-EN 322)

Density: do 680 kg/m³ (acc. to PN-EN 323)

Lengths and widths tolerance +/- 3.5mm (acc. EN 315)

Edge tolerance: +/- 1.0mm/m lengths of the side (acc. EN 315)

FSC® Certified

Contra-Burn® Deco – Fire Rated Panels

A clear absorption based fire retardant with decorative lacquer

Tested and certified to BS EN13501 Euro B s1 d0

Euro B – very limited contribution to fire

s1 - little or no smoke contribution in event of fire

d0- no burning droplets on introduction to flame

Factory applied coating system using specified and international approved ISO 9001 products

A high quality and durable finish available in matt or satin to meet your decorative project needs

Complies with most new project requirements for BS EN13501 surface spread of flame and reaction to fire