

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

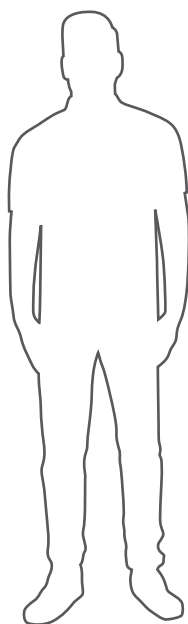
Suitable applications:

- Internal wall cladding
- Ceiling panels
- Acoustic panels
- Joinery & shop fitting
- Furniture
- Feature walls

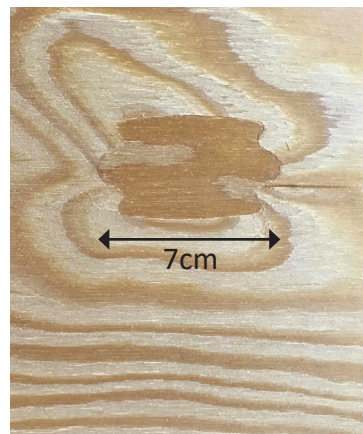
Grade I



Full size 2440 x 1220 panels



Grade II



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Classification according to characteristics inherent in wood				
Category of characteristics		Appearance Class		
		E	I	II
3.2.1.1	Pin Knots Sound, intergrown no more than 3mm diameter	Practically absent	3 per m2 permitted	Permitted
3.2.1.2	Sound intergrown knots	Practically absent	15mm provided their cumulative diameter does not exceed 30mm per m2	Permitted up to individual diameter of 50mm
3.2.1.3	Unsound or non-adhering knots and knot holes	Practically absent	Permitted up to an individual diameter of 6mm if filled and up to a number of 2 per m2	Permitted up to an individual diameter of 5mm if repaired, 25mm if filled and up to a number of 6 per m2
3.2.1.4	Open Splits	Practically absent	Permitted if less than 1/10 of panel length up to an individual length of 3mm	
	Closed Splits	Practically absent	Permitted	Permitted
3.2.1.5	Anomolies due to insects, marine borers and parasite plants	Not permitted	Not permitted	Marks of parasitic plants not permitted. Insects and marine borer holes permitted up to a diameter of 3mm, up to 10 per m2
3.2.1.6	Resin pockets and inbark	Not permitted	Not permitted	Permitted up to a width of 6mm, if properly filled
	Resin streaks	Not permitted	Not permitted	Permitted if slight
3.2.1.7	Irregularities in the structure of the wood	Practically absent	Permitted if very slight	Permitted if slight
3.2.1.8	Discolouration which is not wood destroying	Practically absent	Permitted if low contrast	Permitted if low contrast
3.2.1.9	Fungal decay, wood destroying	Not permitted	Not permitted	Not permitted
3.2.1.10	Other characteristics	Not permitted	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		
		E	I	II
3.2.2.1	Open Joints	Not permitted	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	Not permitted	Permitted up to a number of 1 per m2 and up to 100mm length
3.2.2.3	Blisters	Not permitted	Not permitted	Not permitted
3.2.2.4	Hollows, imprints and bumps	Not permitted	Not permitted	Permitted if slight
3.2.2.5	Roughness	Not permitted	Not permitted	Permitted if slight
3.2.2.6	Sanding through	Not permitted	Not permitted	Not permitted
3.2.2.7	Glue penetration	Not permitted	Not permitted	Permitted if slight and occasional
3.2.2.8	Foreign particles	Not permitted	Not permitted	Ferrous particles not permitted
3.2.2.9	Repairs: Patches and shims (plugs)	Not permitted	Permitted if properly made and tightly filled up to 5 per m2	Permitted if properly made and tightly filled. Quantity not limited
	Synthetic fillers	Not permitted	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	Practically without defects	Permitted up to 2mm from the edge	Permitted up to 5mm from the edge
3.2.2.11	Other defects	Practically without defects	To be considered under the catagory which they most closely resemble	
NOTE: Manufacturing defects are permitted provided that they do not impare the serviceability of the panel				

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Nominal thickness	Number of layers	Thickness tolerance [mm]		Density [kg/m3]	Mechanical properties			
					Static bending [MPa]		Modulus of elasticity [MPa]	
		min.	max.		//		//	
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® Fire Rated Panels

Euro Class B s1, d0 – the highest fire safety specification possible for wood

Little or no smoke contribution in event of fire (s1)

No burning droplets on introduction to flame (d0)

Contra-Burn® treatment is 100% organic, non-toxic, has no VoC's and is environmentally friendly

Penetrates fully through the wood, allowing cutting and drilling without the need for additional edge treatment or voiding of fire rating

CE2+ Structural Grade integrity in both horizontal & vertical applications

BREEAM Hea02 Compliant to both: BS EN 13986:2004 & BS EN 717-1:2004

No disposal costs or procedures - dispose with normal waste

Lacquered panels tested and certified to Euroclass B s1,d0. Compatible, tested and certified with our maintaining clear lacquer