SPECIALISED PANEL PRODUCTS

01992 410333

mail@spp.co.uk

Datasheet: Canadian Douglas Fir Plywood

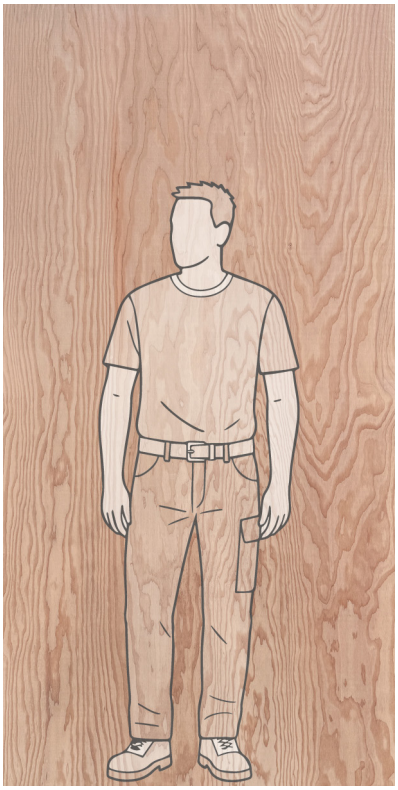
An attractive panel that's ideal for visually striking interior walls and ceiling panels.
Rotary cut Canadian Douglas Fir Plywood has a wild grain pattern that produces an interesting and fresh visual effect. Specified in the UK for decorative applications, this panel originates from North America where it is produced for functional and utility end uses. As such, characteristics like face plugs, internal core gaps and veneer overlaps are to be expected.

Suitable applications:

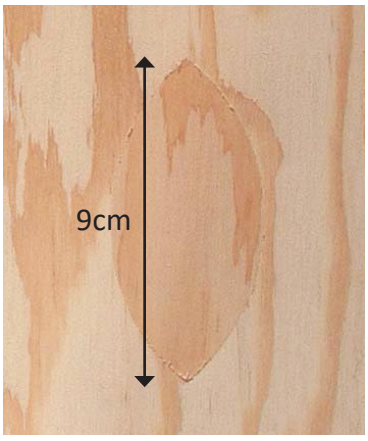
- Internal wall cladding
- Ceiling panels
- Shopfitting
- Joinery work
- Furniture
- Feature walls

Good Face

Full size 2440 x 1220 panels



Good Face



For more information
contact 01992 410333
mail@spp.co.uk
www.spp.co.uk

Specialised Panel Products Ltd. Company Reg 3500652

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Grade	Veneer Grades			Characteristics	Typical Applications
	Face	Inner	Back		
Good Two Sides (G2S)	A	C	A	Sanded Best appearance both faces. May contain neat wood patches, inlays or synthetic patching material	Furniture, cabinets, high-end joinery specialist shop-fitting, decorative wall and ceiling linings, opaque paint finishes
Good One Side (G1S)	A	C	C	Sanded May contain neat wood patches, inlays or synthetic patching material	Where appearance or smooth sanded surface of one face is important

Governing Canadian Standard: CSA O121 (DFP)

Veneer Characteristics and Defects

Characteristic or Defect	Veneer Grade		
	C (Inner)	C (Back)	A
Bark/Resin Pocket	40 x 200mm	25mm	Not Permitted
Borer Hole	25 x 100mm	15 x 40mm	Not Permitted
Discolouration	Permitted	Permitted	Permitted
Rough Grain	Permitted	Permitted	Permitted
Torn Grain	Permitted	Permitted	Permitted
Feather Grain	Permitted	Permitted	-
Knot	50mm	Tight knots: 50mm, max 9 per face Other knots: 40mm	Tight knots: 5mm, max 6 per face
Knot Cluster	300mm	200mm	Not Permitted
Knot Hole	40mm	32mm permitted 40mm, max 9 per face	Not Permitted
Repair	Wood Patch or Shim: 100 x 200mm or 50 x 300mm	Wood Patch: 100mm	Single Wood Patch: 60mm Two Overlapping Patches: 100mm, max 3 per face
Rot	Not Permitted	Not Permitted	Not Permitted
Splits	-	-	-
Open Splits	10mm x Panel Length or 15 x 610mm	10mm x Panel Length or 15 x 610mm or 6mm within 25mm of edge	Not Permitted
Tight Splits	Permitted	Permitted	Permitted
Wane	40 x 75mm	30 x 40mm	Not Permitted

Notes:
Permissible openings filled with wood patches or putty.
All grades are bonded with waterproof phenolic glue.

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Nominal thickness	Number of layers	Density [kg/m3]	Weight per 8x4 panel
11mm (1/4 inch)	5	540*	17.7kg
19mm (3/4 inch)	7	540*	30.5kg

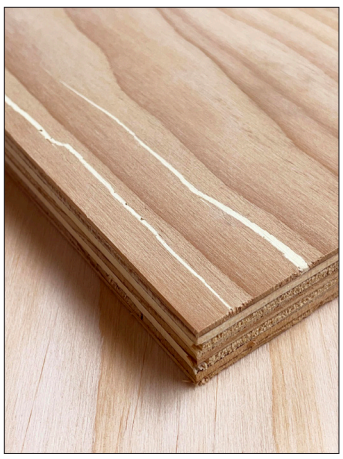
*approximate and subject to natural variation

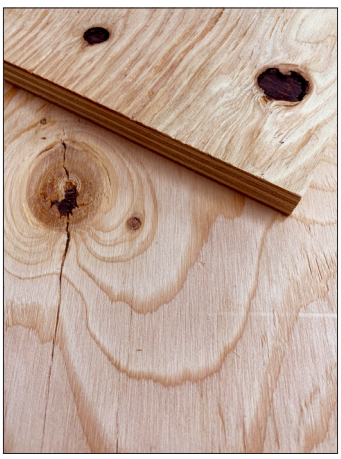
Essential Characteristics	Performance	Harmonised Technical Specification
Durability against ageing (Bending strength)	15.9 N/mm^2	EN 13986:2004
Bonding Quality EN314-2: 1993	Class 3, non-covered exterior	
Release of formaldehyde EN13896	Class E1	
Reaction to Fire	D-s2, d0 D_{FL}-s1	
Water Vapour Permeability (Table 9)	Wet cup: 66µ Dry cup: 190µ	
Airborne Sound Insulation	No performance determined	
Sound Absorption	EN 13986:2004 Table 10	
Thermal Conductivity	0.12 W/(mK)	
Biological Durability - Natural EN 350-2:1994, durability class	5 *sapwood is not specifically excluded*	

Canadian Douglas Fir Plywood
Rotary Cut Faces
CPD Compliant (Construction Products Directive) 1224-CPD-0002
Lengths and widths tolerance +/- 3.5mm
Edge tolerance: +/- 1.0mm/m lengths of the side
PEFC© Certified

Panel Limitations

Manufactured primarily as a utility panel for the North American market, there are visual flaws inherent in the panel construction and face grade rules. Core gaps, plugs, filler & natural variation can be present on both faces. Open knots and larger visual defects on Good one Side reverse.





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