



Optima FD30 44mm

Fire Rated Interior Grade Door Blanks

Optima internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a combination of chemical and engineering development, these blanks produce doors of altogether excellent quality, strength and overall performance.



Fire Rating FD30 - BS EN

Tested in Accordance with:	BS 476: Part 22: 1987, BS EN 1634-1:2000/2008 & BS EN 1363-1:1999		 
Maximum Approved Sizes*	Single Doors	Maximum height: 3292mm*	
		Maximum width: 1411mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 3095mm*	
		Maximum width: 1241mm*	
Approved Frames	Timber Hardwood, Timber Softwood, MDF, Steel, Aluminium		
Approved Glazing Size	1.75m ²		
Panel Effect	Yes		
Feature Grooves	Yes		

Fire Rating 20 Min - UL 10c

Tested in Accordance with:	UL 10C		
Maximum Approved Sizes (Please check standard supplied sizes shown overleaf)	Single Doors	2438 x 1219mm	
	Double Doors	2438 x 1219mm	
Approved Frames	Steel, Composite (Mineral Core), Timber Hardwood		




Acoustics

Tested in Accordance with:	BS EN ISO 10140-2:2010	
Acoustic Performance	Single Doors	Unglazed 33dB/Rw
		Glazed 35dB/Rw
	Double Doors	Unglazed 32dB/Rw
		Glazed 35dB/Rw



Environmental

U-value (Wm²K)	Heat loss per m ² 2.00 (doorset)	 <p>Look for our FSC® certified products</p> <p>The mark of responsible forestry</p>
Formaldehyde Release Rating	BS EN 13986 (2004) – Class E1 CARB II E05 Grade	



Operational & Durability

Tested in Accordance with:	DD 171, EN 1191, EN 1192, EN 947, EN 949 & EN 950
Enhanced security performance requirements of door set	Tested to comply with PAS 24

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General Properties

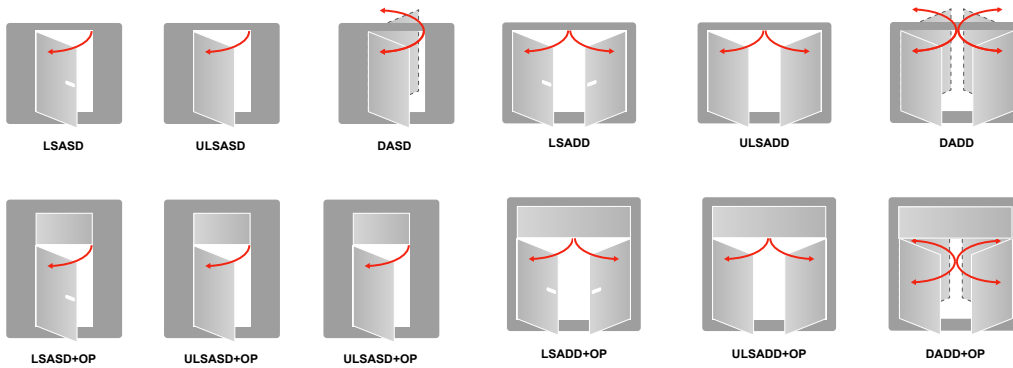
Weight	27.3kg/m ²
Density (±10%)	620 kg/m ³
Moisture Content	Ex factory 6-12%



Design Criteria

Stock Board Sizes	2060 x 840 mm	Timber Lipping Glue Lines	PVA
	2135 x 915 mm		PVAC
	2440 x 915 mm		U/F
	2800 x 915 mm		P/F
2440 x 1220 mm			PU
2050 x 826 mm			PU Hot Melt
2050 x 926 mm		Flat Timber Lippings	6 - 18 mm thick
2800 x 1830 mm		Rebated Timber Lippings (double doors)	18 - 28mm thick
3050 x 1050 mm		Standard Intumescent	Palusol Graphite

Doorset Configurations



Design Options



Seals & Hardware

Refer to relevant product third party scope data and literature for further information. For technical guidance please contact the technical support team - technical@halspan.com

The information in this brochure is correct at time of going to press however our designs, specifications and certifications may change in the interest of product development following publication. If you would like to make a query about any of the details in this document, please contact Halspan via our website, or call our office in the UK on +44 (0)3300 563836.



The mark of responsible forestry