





# 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

<b>Tested in Accordance with:</b>	BS 476: Part 22: 1987, BS EN 1634-1:2000/2008 & BS EN 1363-1:1999		 
<b>Maximum Approved Sizes*</b> (Please check standard supplied sizes shown overleaf) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2135 x 1200mm 2800 x 915mm	
	Double Doors	2135 x 1100mm 2600 x 910mm	
<b>Approved Frames</b>	Timber Hardwood, Timber Softwood, MDF, Steel, Aluminium		
<b>Approved Glazing Size</b>	1.75m <sup>2</sup>		
<b>Panel Effect</b>	Yes		
<b>Feature Grooves</b>	Yes		



### Fire Rating 20 Min - UL 10c

<b>Tested in Accordance with:</b>	UL 10C		
<b>Maximum Approved Sizes</b> (Please check standard supplied sizes shown overleaf)	Single Doors	2438 x 1219mm	
	Double Doors	2438 x 1219mm	
<b>Approved Frames</b>	Steel		



### Acoustics

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



### Environmental

<b>U-value (Wm2K)</b>	Heat loss per m <sup>2</sup> 2.00 (doorset)	
<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1	



### Operational & Durability

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

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### General Properties

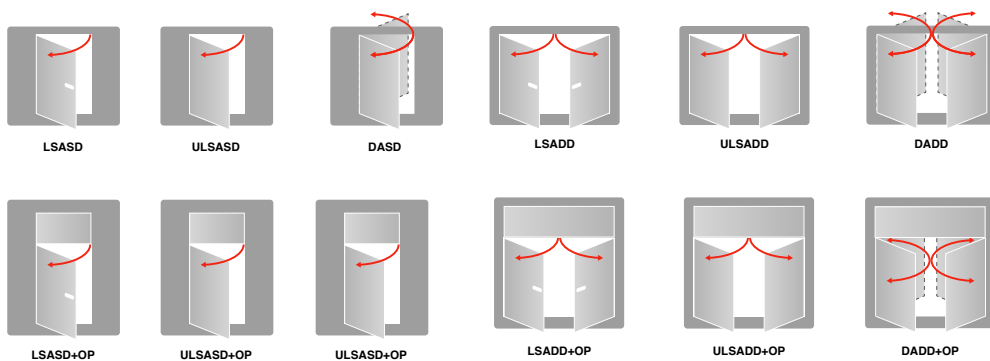
Weight	27.3kg/m <sup>2</sup>
Density (±10%)	620 kg/m <sup>3</sup>
Moisture Content	Ex factory 6-10%



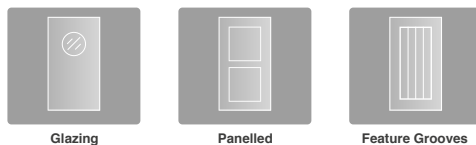
### Design Criteria

Stock Board Sizes	2060 x 840 mm	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	Lipping Section Details	6 - 18 mm thick
2800 x 1830 mm	Hotmelt		Rebated Lippings (double doors etc)
3050 x 1050 mm		Standard Intumescent	

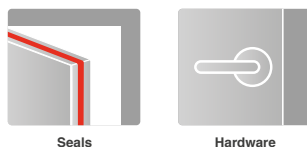
### Doorset Configurations



### 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](mailto:technical@halspan.com)

