




# Optima FD60 54mm

## 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 FD60

<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>	Single Doors	Maximum height: 3050mm*	
		Maximum width: 1384mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 2850mm*	
		Maximum width: 1142mm*	
<b>Approved Frames</b>	Timber Hardwood, MDF, Steel		
<b>Approved Glazing Size</b>	0.82m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	Yes		




### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 34dB/Rw
		Glazed 35dB/Rw
	Double Doors	Unglazed 33dB/Rw
		Glazed 35dB/Rw



### Environmental

<b>U-value (Wm2K)</b>	Heat loss per m <sup>2</sup> 1.8 (doorset)		
<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1 CARB II E05 Grade		
			Look for our FSC <sup>®</sup> certified products
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### 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



### General Properties

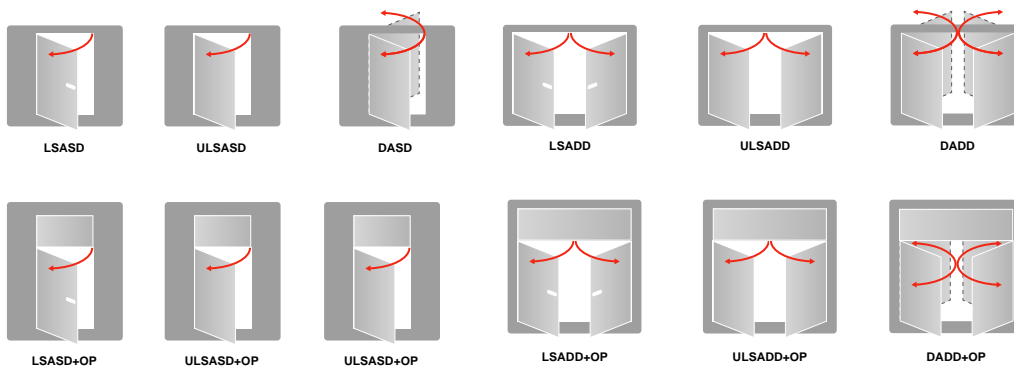
<b>Weight</b>	33.5kg/m <sup>2</sup>
<b>Density (±10%)</b>	620 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%



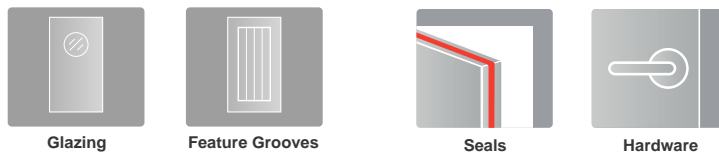
### Design Criteria

<b>Stock Board Sizes</b>	2135 x 915 mm 2440 x 915 mm 2440 x 1220 mm 2050 x 826 mm 2050 x 926 mm 2800 x 915 mm 2800 x 1830 mm 3050 x 1050 mm	<b>Lipping Glue Lines</b>	UF PU Hotmelt PUR
		<b>Flat Timber Lippings</b>	6 - 18 mm thick
		<b>Rebated Timber Lippings (double doors)</b>	20 - 30mm thick
		<b>Standard Intumescent</b>	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](mailto:technical@halspan.com)

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