

## 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, BS EN 1634-1 & BS EN 1363-1		
<b>Maximum Approved Sizes*</b> *Maximum approved sizes based on timber door frames. Refer to test data for full details.  Please check standard supplied sizes shown at the end of this document.	Single Doors	Maximum height: 2921mm*	
		Maximum width: 1385mm*	
	Double Doors	Maximum height: 2831mm*	
		Maximum width: 1133mm*	
<b>Approved Frames</b>	Timber Hardwood, MDF & Steel		
<b>Approved Glazing Size</b>	1.25m <sup>2</sup>		
<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 (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> <1.8 (doorset)	 <p>Look for our FSC® certified products</p>
<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1 CARB II E05 Grade	



### 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

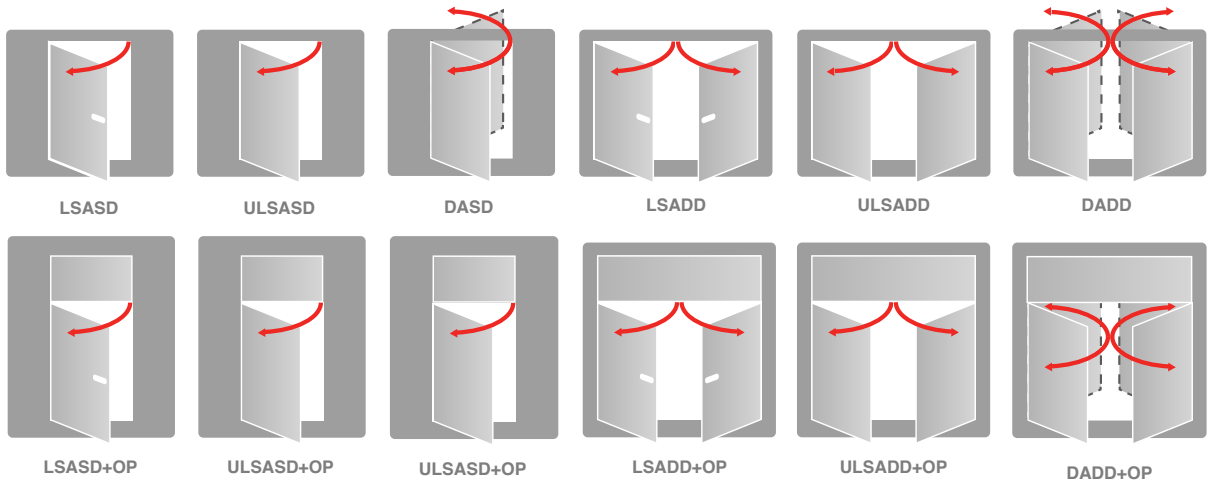
<b>Weight (Avg.)</b>	33.5kg/m <sup>2</sup>
<b>Density (±10%)</b>	620kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%



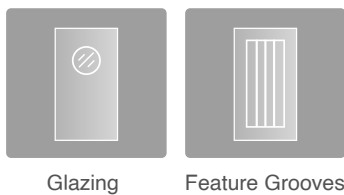
### Design Criteria

<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>Timber Lippings</b>	3 - 18mm thick
<b>Rebated Timber Lippings (double doors)</b>	15 - 25mm thick

### Doorset Configurations



### Design Options



Glazing Feature Grooves

### Seals & Hardware



Seals Hardware

Refer to relevant product third party scope data and literature for further information. For technical guidance, contact Halspan's technical team at [halspan.com/service-desk](http://halspan.com/service-desk).

The information in this datasheet 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](http://halspan.com), or call our office in the UK on +44 (0)3300 563836.

