





Optima 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: Part22: 1987, BS EN 1634-1:2000/2008 & BS EN 1363-1:1999		 
Maximum Approved Sizes (Please check standard supplied sizes shown overleaf)	Single Doors	2135 x 1200mm 2800 x 915mm	
	Double Doors	2135 x 1100mm 2600 x 910mm	
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	Timber Hardwood, Steel, Composite		




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

Standard	ISO 14001	
U-value (Wm2K)	Heat loss per m ² 2.00 (doorset)	
Formaldehyde Release Rating	BS EN 13986 (2004) – Class E1	



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

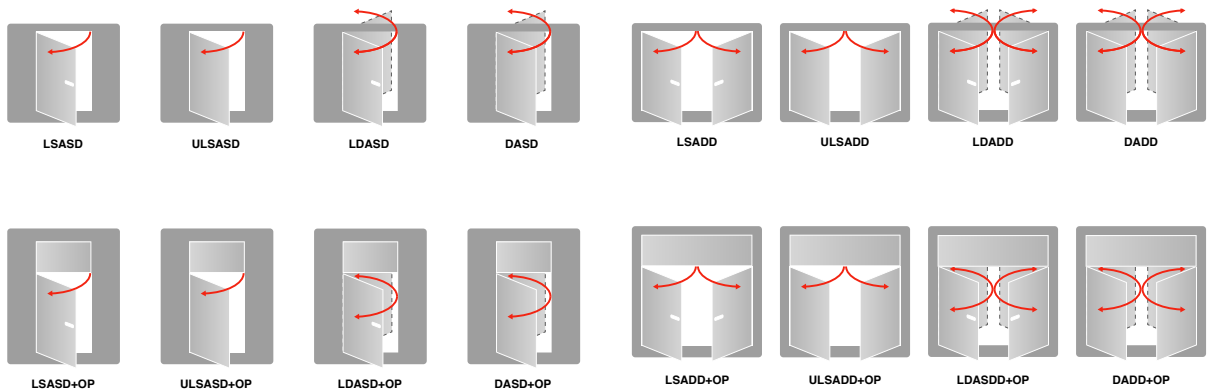
Weight	27.3kg/m ²
Density (±10%)	620 kg/m ³
Moisture Content	Ex factory 6-10%



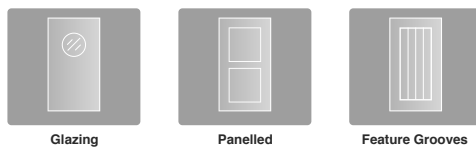
Design Criteria

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		PU
2440 x 1220 mm	Lipping Section Details	6 mm	
2800 x 1830 mm		Rebates (Double doors, etc)	Yes
3050 x 1050 mm			Standard Intumescent
2060 x 840 mm		Graphite	

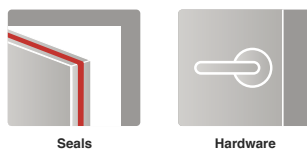
Doorset Configurations



Design options



Seals & Hardware



Refer to relevant product Global Assessment and literature for further information.
 For technical guidance please contact the technical support team - technical@halspan.com