





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* (Please check standard supplied sizes shown overleaf) <small>* Maximum approved sizes based on timber door frames. Refer to test data for full details.</small>	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	Steel		




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)	 Look for FSC certified products
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

Optima FD30 44mm

Fire Rated Interior Grade Door Blanks



General Properties

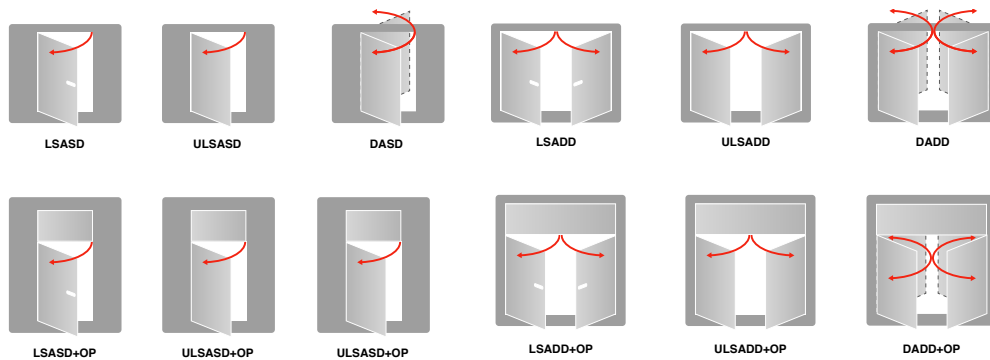
Weight	27.3kg/m ²
Density (±10%)	620 kg/m ³
Moisture Content	Ex factory 6-10%



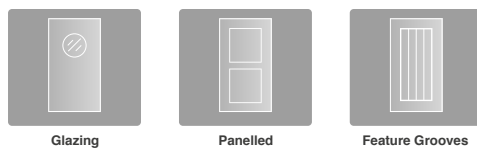
Design Criteria

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		P/F
	2800 x 915 mm		PU
	2440 x 1220 mm	Lipping Section Details	Hotmelt
	2800 x 1830 mm	Rebated Lippings (double doors etc)	6 - 18 mm thick
	3050 x 1050 mm	Standard Intumescent	18 - 28mm thick
			Palusol
			Graphite

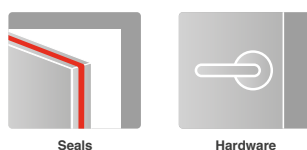
Doorset Configurations



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

