



**HALSPAN**® to the core and more...

## Door Blanks & Cores Range

Product Data Sheets





A pioneer in its field, Halspan developed an entirely new way of constructing doors in the 1990s, using pre-tested door blanks made from our unique 3-layer particle board. Over the years, we've extended our range to include solid timber core and mineral core products all extensively tested to international standards.

Today Halspan is one of the world's leading suppliers of high-performance components used in the manufacture of doorsets and door assemblies - from fully-certified fire door blanks and cores to seals, hardware, steel frames and more - all backed by third-party certification.

Having Halspan at the core of a door is an assurance of quality and integrity.

**to the core and more...**



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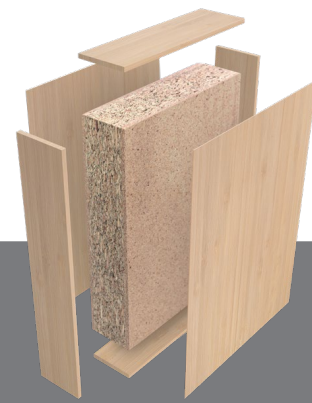
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## Prima FD30 44mm Fire Rated Interior Grade Door Blanks

**Prima** internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance.



### Fire Rating FD30

<b>Tested in Accordance with:</b>	BS 476: Part 22, BS EN 1634-1 & BS EN 1363-1		 
<b>Maximum Approved Sizes*</b>	Single Doors	Maximum height: 3292mm*	
		Maximum width: 1411mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum width: 1411mm*	
		Maximum width: 1241mm*	
<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		




### 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 (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> 2.00 (doorset)		
<b>Formaldehyde Release Rating</b>	0.05ppm when tested to EN 717-1 Classification - BS EN 13986 (2004) - Class E1 (max 0.1ppm)		
	0.07ppm when tested to ASTM E1333 Classification - CARB II (2010) compliant (max 0.09ppm)		Look for our FSC® certified products  The mark of responsible forestry



### 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 23 & PAS 24



### General Properties

<b>Weight</b>	27.7 kg/m <sup>2</sup>
<b>Density (±10%)</b>	630 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

# Prima FD30 44mm

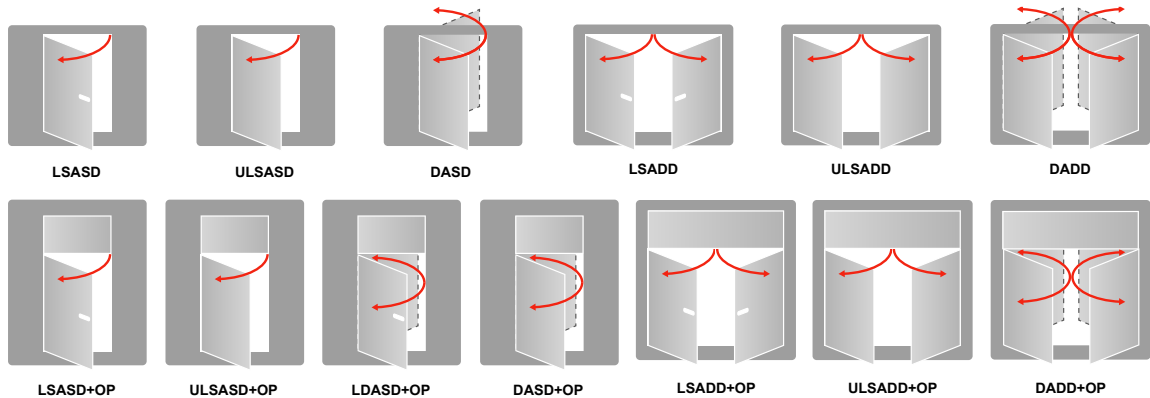
## Fire Rated Interior Grade Door Blanks



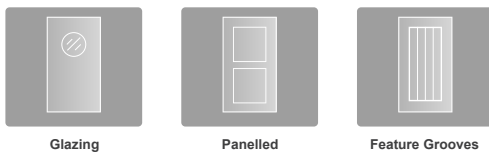
### Design Criteria

<b>Stock Board Sizes</b>	2060 x 840 mm 2135 x 915 mm 2440 x 1220 mm 2440 x 915 mm 2050 x 826 mm 2050 x 926 mm 2800 x 1830 mm 3050 x 1050 mm	<b>Timber Lipping Glue Lines</b>	PVA PVAC U/F P/F PU PU Hot Melt
		<b>Flat Tiber Lippings</b>	6 - 18mm thick
		<b>Rebated Timber Lippings (double doors)</b>	18 - 28mm thick
		<b>Standard Intumescent</b>	Palusol Graphite

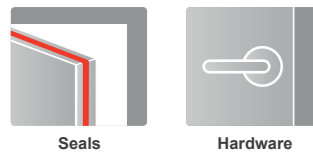
### Doorset Configurations



### 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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# 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, BS EN 1634-1 & BS EN 1363-1		 
<b>Maximum Approved Sizes*</b>	Single Doors	Maximum height: 3292mm*	
		Maximum width: 1411mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 3095mm*	
		Maximum width: 1241mm*	
<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, Composite (Mineral Core), Timber Hardwood		




### 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 (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> 2.00 (doorset)	 Look for our FSC® certified products
<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

# Optima FD30 44mm

## Fire Rated Interior Grade Door Blanks



### General Properties

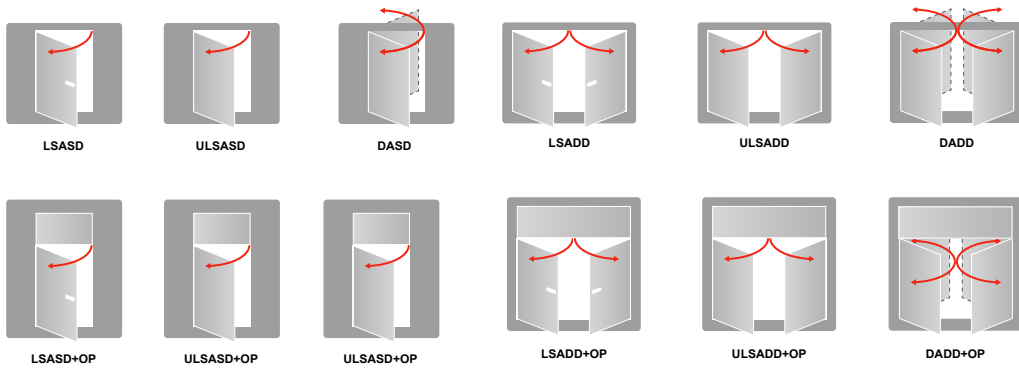
Weight	27.3kg/m <sup>2</sup>
Density (±10%)	620 kg/m <sup>3</sup>
Moisture Content	Ex factory 6-12%



### Design Criteria

Stock Board Sizes	2060 x 840 mm	Timber 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	Flat Timber Lippings	6 - 18 mm thick	
2050 x 826 mm	PU Hot Melt		Rebated Timber Lippings (double doors)	18 - 28mm thick
2050 x 926 mm	Standard Intumescent			Palusol
2800 x 1830 mm		Graphite		
3050 x 1050 mm				

### Doorset Configurations



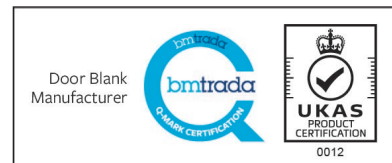
### Design Options



### Seals & Hardware

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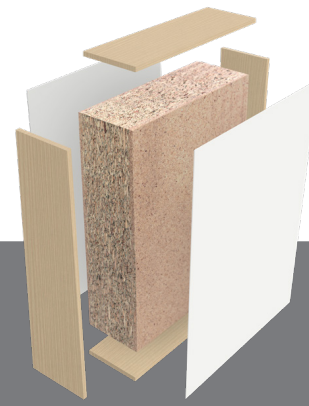


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# HALSPAN®



## Prima FD60 54mm Fire Rated Interior Grade Door Blanks

Prima internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior 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>	Single Doors	Maximum height: 2921mm*	
		Maximum width: 1385mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 2831mm*	
		Maximum width: 1133mm*	
<b>Approved Frames</b>	Timber Hardwood, MDF, Steel		
<b>Approved Glazing Size</b>	0.82m <sup>2</sup>		
<b>Panel Effect</b>	Yes		
<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 36dB/Rw
	Double Doors	Unglazed 33dB/Rw
		Glazed 35dB/Rw



### Environmental

<b>U-value (Wm2K)</b>	Heat loss per m <sup>2</sup> 1.6 (doorset)		 Look for our FSC® certified products
<b>Formaldehyde Release Rating</b>	0.05ppm when tested to EN 717-1 Classification - BS EN 13986 (2004) - Class E1 (max 0.1ppm)		
	0.07ppm when tested to ASTM E1333 Classification - CARB II (2010) compliant (max 0.09ppm)		



### 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>	34 kg/m <sup>2</sup>
<b>Density (±10%)</b>	630 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

# Prima FD60 54mm

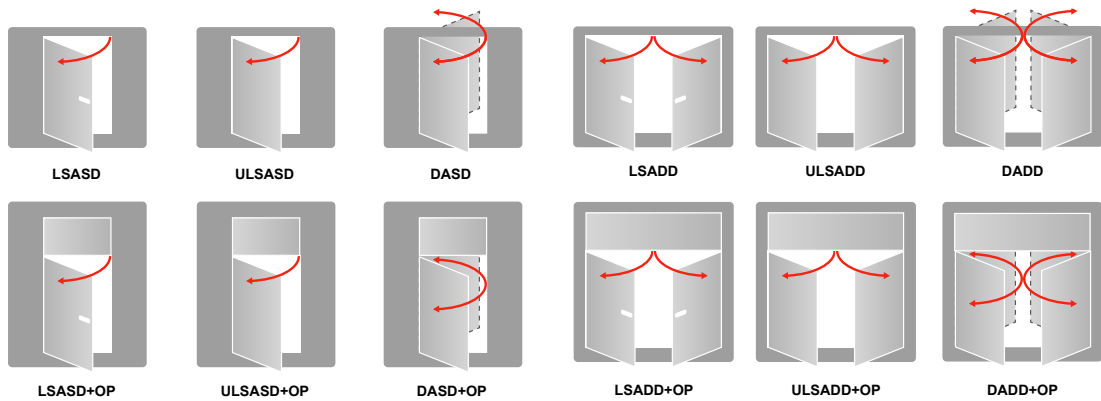
## Fire Rated Interior Grade Door Blanks



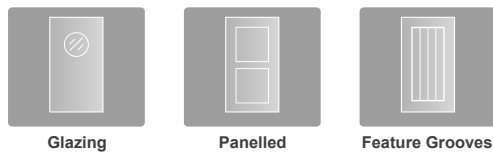
### Design Criteria

<b>Stock Board Sizes</b>	2135 x 915 mm	<b>Timber Lipping Glue Lines</b>	UF
	2800 x 915 mm		PU
	2440 x 1220 mm		Hotmelt
	3050 x 1050 mm		PUR
	2440 x 915 mm	<b>Flat Timber Lippings</b>	3 - 18 mm thick
	2050 x 826 mm	<b>Rebates (Timber Lippings (double doors))</b>	15 - 25 mm thick
	2050 x 926 mm		
	2800 x 1830mm		

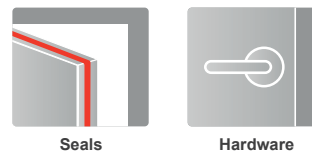
### Doorset Configurations



### Design Options



### Seals & Hardware



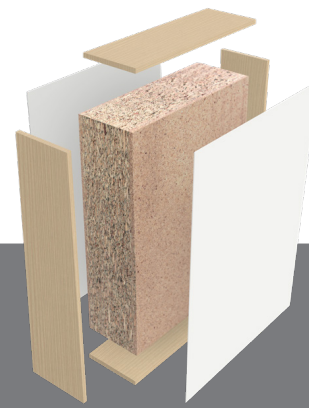
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# HALSPAN®





## 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>	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)		 Look for our FSC® certified products www.fsc.org FSC® C003410 The mark of responsible forestry
<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

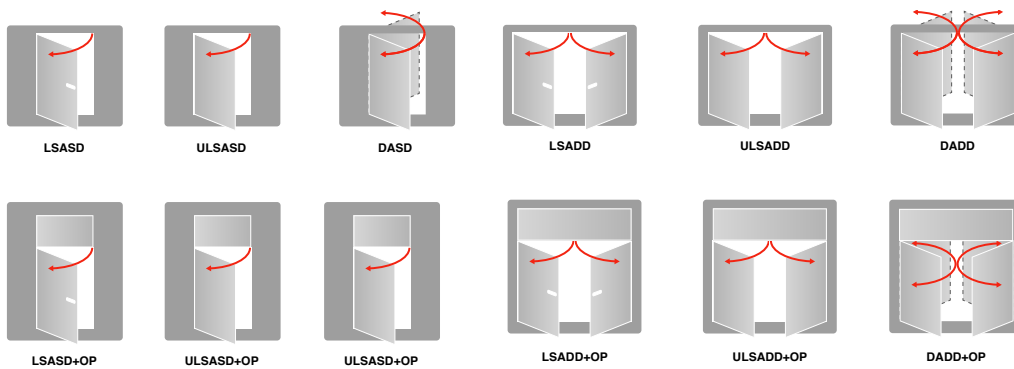
<b>Weight</b>	33.5kg/m <sup>2</sup>
<b>Density (±10%)</b>	620 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%



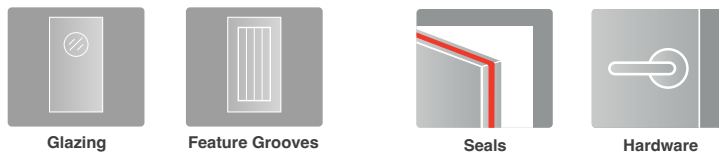
### Design Criteria

<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

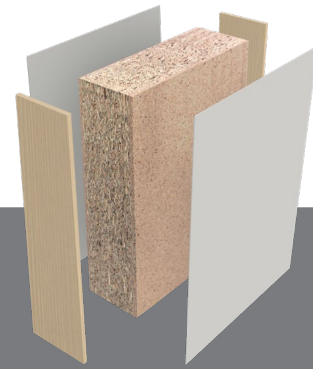


### Seals & Hardware

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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# Halspan FD90 64mm

## Fire Rated Interior Grade Door Blanks

**Halspan 90** internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance.



### Fire Rating FD90

<b>Tested in Accordance with:</b>	BS 476: Part 22, BS EN 1634-1 & BS EN 1363-1		 
<b>Maximum Approved Sizes*</b>	Single Doors	Maximum height: 2854mm*	
		Maximum width: 1174mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 2586mm*	
		Maximum width: 1077mm*	
<b>Approved Frames</b>	Timber Hardwood, Steel		
<b>Approved Glazing Size</b>	0.551m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		




### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 35dB/Rw
		Glazed 36dB/Rw
	Double Doors	Unglazed 33dB/Rw
		Glazed 34dB/Rw



### Environmental

<b>Formaldehyde Release Rating</b>	0.05ppm when tested to EN 717-1 Classification - BS EN 13986 (2004) - Class E1 (max 0.1ppm)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
	0.07ppm when tested to ASTM E1333 Classification - CARB II (2010) compliant (max 0.09ppm_	



### Operational & Durability

<b>Tested in Accordance with:</b>	DD 171, EN 1191, EN 1192, EN 947, EN 949 & EN 950
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### General Properties

<b>Weight</b>	40.3 kg/m <sup>2</sup>
<b>Density (±10%)</b>	630 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%



### Design Criteria

<b>Stock Board Sizes</b>	2150 x 1040 mm 2440 x 1220 mm
<b>Lipping Glue Lines - Timber</b>	PVA    PUR U/F    PVAc PU
<b>Flat Timber Lippings</b>	3-4mm thick
<b>Rebated Lippings (double doors)</b>	Not Permitted
<b>Standard Intumescent</b>	Halspan Intumescent Kit

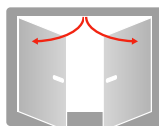
### Doorset Configurations



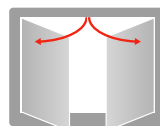
LSASD



ULSASD

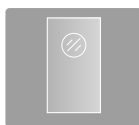


LSADD



ULSADD

### Design Options



Glazing



Seals



Hardware

### Seals & Hardware

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**HALSPAN**



# Prima Plus FD30 44mm

## Fire Rated Interior Grade Door Blanks

**Prima Plus** internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance, with the additional benefit of not having formaldehyde added to their construction.



### Fire Rating FD30

<b>Tested in Accordance with:</b>	BS 476: Part 22		
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	2040 x 1080mm	
		2428 x 900mm	
	Double Doors	2040 x 1030mm	
		2328 x 900mm	
<b>Approved Frames</b>	Timber Hardwood, Timber Softwood, MDF		
<b>Panel Effect</b>	No		
<b>Approved Glazing Size</b>	1.25m <sup>2</sup>		
<b>Feature Grooves</b>	No		



### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 31dB/Rw
		Glazed 35dB/Rw
	Double Doors	Unglazed 32dB/Rw
		Glazed 35dB/Rw



### Environmental

<b>U-value (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> 2.0 (doorset)		 www.fsc.org FSC® C003410 The mark of responsible forestry	Look for our FSC® 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
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### General Properties

<b>Weight</b>	27 kg/m <sup>2</sup>
<b>Density (±10%)</b>	630 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

# Prima Plus FD30 44mm

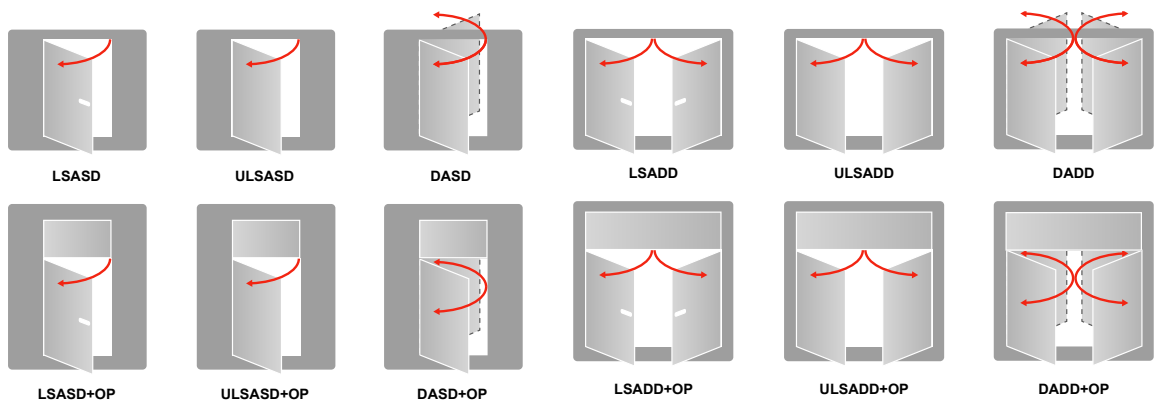
## Fire Rated Interior Grade Door Blanks



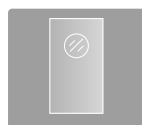
### Design Criteria

<b>Stock Board Sizes</b>	2135 x 915 mm 2440 x 1220 mm
<b>Timber Lipping Glue Lines</b>	PVAC U/F P/F PU PU based Hotmelt
<b>Flat Timber Lippings</b>	6 - 18mm thick
<b>Rebated Timber Lippings (double doors)</b>	18 - 28mm thick
<b>Standard Intumescent</b>	Halspan Intumescent

### Doorset Configurations



### Design Options



Glazing



Seals



Hardware

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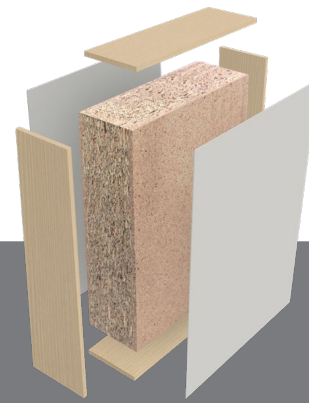


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# HALSPAN®



## Prima Plus FD60 54mm Fire Rated Interior Grade Door Blanks

**Prima Plus** internal fire door blanks feature Halspan's unique 3-layer particle board. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance, with the additional benefit of not having formaldehyde added to their construction.



### Fire Rating FD60

<b>Tested in Accordance with:</b>	BS 476: Part 22		
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	Maximum height: 2188mm*	
		Maximum width: 901mm*	
Double Doors	Maximum height: 2088mm*		
	Maximum width: 851mm*		
<b>Approved Frames</b>	Timber Hardwood		
<b>Approved Glazing Size</b>	None		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		



### 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)		 Look for our FSC® certified products www.fsc.org FSC® C003410 The mark of responsible forestry
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### General Properties

<b>Weight</b>	34 kg/m <sup>2</sup>
<b>Density (±10%)</b>	630 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

# Prima Plus FD60 54mm

## Fire Rated Interior Grade Door Blanks



### Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Timber Lipping Glue Lines	PU UF Hotmelt PUR
Flat Timber Lippings	6 - 13 mm thick
Rebates (Double doors)	Not Permitted
Standard Intumescent	Halspan Intumescent

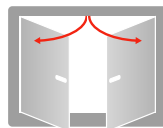
### Doorset Configurations



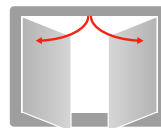
LSASD



ULSASD

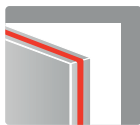


LSADD



ULSADD

### Seals & Hardware



Seals



Hardware

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## Veria NFR 44mm Various thicknesses on request

### Interior Grade Door Blanks

Halspan Veria features Halspan's unique 3-layer particle board. Specifically designed for the purpose, using engineering development, these blanks produce doors of excellent quality and strength.



#### Non Fire Rated

<b>Standard Supplied Sizes</b> (Alternative size / thickness on request)	2135 x 915mm
	2440 x 1220mm
<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




#### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010
<b>Acoustic Performance</b>	30dB/Rw



#### Environmental

<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1	 <p>Look for our FSC® certified products</p> <p><b>FSC® C003410</b></p> <p>The mark of responsible forestry</p>



#### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191- severe duty 500,000 cycles
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#### General Properties

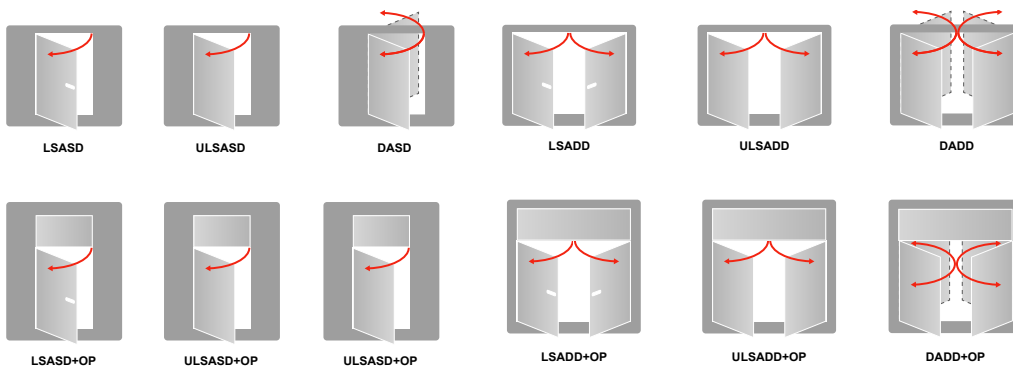
<b>Weight</b>	25.5kg/m <sup>2</sup>
<b>Density (±10%)</b>	550 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%



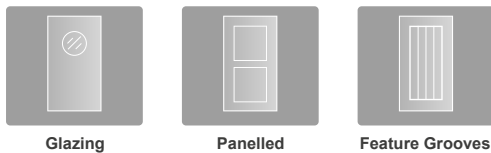
### Design Criteria

Lipping Glue Lines	PVA, PVAC, U/F, P/F, PU, Hot Melt
Lipping Section Details	6 - 18 mm thick
Rebated Lippings (double doors etc)	18 - 28 mm

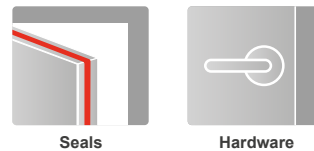
### Doorset Configurations



### Design Options



### Seals & Hardware



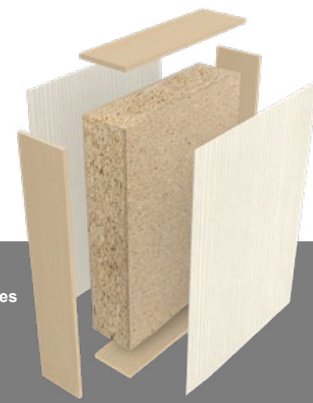
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# Veria Plus NFR 44mm Various thicknesses on request

## Interior Grade Door Blanks

Halspan Veria Plus features Halspan's unique 3-layer particle board. Specifically designed for the purpose, using engineering development, these blanks produce doors of excellent quality and strength, with the additional benefit of not having formaldehyde added to their construction.



### Non Fire Rated

<b>Standard Supplied Sizes</b> (Alternative size / thickness on request)	2135 x 915mm
	2440 x 1220mm
<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





### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010
<b>Acoustic Performance</b>	31dB/Rw



### Environmental

<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1		 <p>Look for our FSC® certified products</p> <p>The mark of responsible forestry</p>
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### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191
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### General Properties

<b>Weight</b>	25.5kg/m <sup>2</sup>
<b>Density (±10%)</b>	600 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

# Veria Plus NFR 44mm

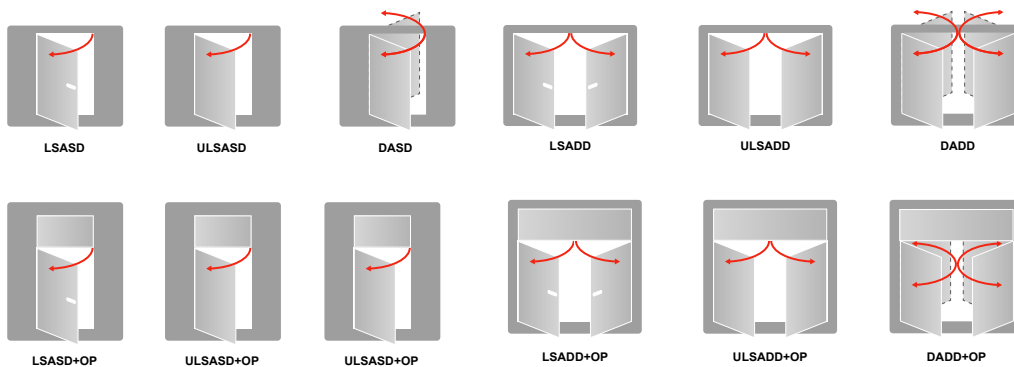
## Interior Grade Door Blanks



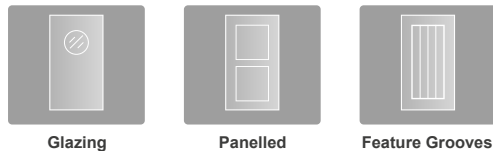
### Design Criteria

Lipping Glue Lines	PVA, PVAC, U/F, P/F, PU, Hot Melt
Lipping Section Details	6 - 18 mm thick
Rebated Lippings (double doors etc)	18 - 28 mm

### Doorset Configurations



### Design Options



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# Halspan FD120 60mm

## Fire Rated Interior Grade Door Blanks

Halspan 120 internal fire door blanks feature Halspan's unique 3-layer particle board with additional mineral layer enhancement. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance.



### Fire Rating FD120

<b>Tested in Accordance with:</b>	BS 476: Part 22		
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	Maximum height: 2665mm*	
		Maximum width: 1138mm*	
	Double Doors	Maximum height: 2615mm*	
		Maximum width: 999mm*	
<b>Approved Frames</b>	Timber Hardwood and Backfilled Steel Frame		
<b>Approved Glazing Size</b>	0.50m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		




### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 38dB/Rw
	Double Doors	Unglazed 37dB/Rw



### Environmental

<b>Formaldehyde Release Rating</b>	BS EN 13986 (2004) – Class E1	 <p>Look for our FSC® certified products</p> <p>The mark of responsible forestry</p>
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### General Properties

<b>Weight</b>	48 kg/m <sup>2</sup>
<b>Density (±10%)</b>	800 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

Halspan 120 has a design thickness of 60mm. Due to the nature of its construction, this thickness may vary slightly within a tolerance of -0.5mm/+3mm. This tolerance should be taken into account in fabrication and may require further calibration.



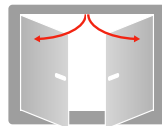
## Design Criteria

Stock Board Sizes	2180 X 930mm 2350 X 1150mm
Lipping Glue Lines	PU PUR
Flat Timber Lippings	3mm thick
Rebated Lippings (double doors)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

## Doorset Configurations

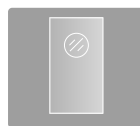


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## Design Options



Glazing



Seals



Hardware

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# Prima Plus FD90 62mm

## Fire Rated Interior Grade Door Blanks

Halspan Prima Plus 90 internal fire door blanks feature Halspan's unique 3-layer particle board with additional mineral layer enhancement. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance, with the additional benefit of not having formaldehyde added to their construction.



### Fire Rating FD90

<b>Tested in Accordance with:</b>	BS 476: Part 22		
<b>Maximum Approved Sizes*</b>	Single Doors	Maximum height: 2850mm*	
		Maximum width: 1192mm*	
* 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: 1192mm*	
<b>Approved Frames</b>	Timber Hardwood, Backfilled Steel		
<b>Approved Glazing Size</b>	0.5m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		



### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 34dB/Rw
	Double Doors	Unglazed 36dB/Rw



### Environmental



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### General Properties

<b>Weight</b>	46 kg/m <sup>2</sup>
<b>Density (±10%)</b>	744 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

Prima Plus 90 has a design thickness of 62mm. Due to the nature of its construction, this thickness may vary slightly within a tolerance of -0.5mm/+3mm. This tolerance should be taken into account in fabrication and may require further calibration.

# Prima Plus FD90 62mm

## Fire Rated Interior Grade Door Blanks



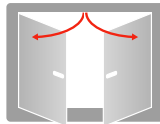
### Design Criteria

<b>Stock Board Sizes</b>	2200 x 930 mm 2390 x 1190 mm
<b>Lipping Glue Lines</b>	PU
<b>Flat Timber Lippings</b>	3 mm thick
<b>Rebated Lippings (double doors)</b>	Not Permitted
<b>Standard Intumescent</b>	Halspan Intumescent Kit

### Doorset Configurations



LSASD



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### Seals & Hardware



Seals



Hardware

Refer to relevant product third party scope data and literature for further information.

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# Prima Plus FD120 62mm

## Fire Rated Interior Grade Door Blanks

Halspan Prima Plus 120 internal fire door blanks feature Halspan's unique 3-layer particle board with additional mineral layer enhancement. Specifically designed for the purpose, using a complex combination of chemical and engineering development, these blanks produce doors of altogether superior quality, strength and overall performance, with the additional benefit of not having formaldehyde added to their construction.



### Fire Rating FD120

<b>Tested in Accordance with:</b>	BS 476: Part 22		
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	Maximum height: 2640mm*	
		Maximum width: 1105mm*	
	Double Doors	Maximum height: 2590mm*	
		Maximum width: 1080mm*	
<b>Approved Frames</b>	Timber Hardwood, Backfilled Steel		
<b>Approved Glazing Size</b>	0.5m <sup>2</sup>		
<b>Panel Effect / Feature Grooves</b>	No		




### Acoustics


<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 34dB/Rw
	Double Doors	Unglazed 36dB/Rw



### Environmental



NAF  
No Added  
Formaldehyde



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### General Properties

<b>Weight</b>	47 kg/m <sup>2</sup>
<b>Density (±10%)</b>	744 kg/m <sup>3</sup>
<b>Moisture Content</b>	Ex factory 6-12%

Prima Plus 120 has a design thickness of 62mm. Due to the nature of its construction, this thickness may vary slightly within a tolerance of -0.5mm/+3mm. This tolerance should be taken into account in fabrication and may require further calibration.



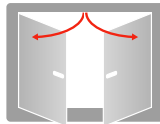
### Design Criteria

<b>Stock Board Sizes</b>	2200 x 930 mm 2390 x 1190 mm
<b>Lipping Glue Lines</b>	PU
<b>Flat Timber Lippings</b>	3 mm thick
<b>Rebated Lippings (double doors)</b>	Not Permitted
<b>Standard Intumescent</b>	Halspan Intumescent Kit

### Doorset Configurations



LSASD



LSADD

### Seals & Hardware



Seals



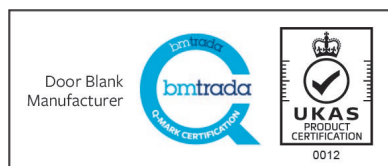
Hardware

Refer to relevant product third party scope data and literature for further information.

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## Halspan IT FD30 44mm Solid Timber Core Door Blanks

**Halspan IT30** - Internal grade door blanks made with a 3-layer solid timber core faced with MDF for a superior finish. Rigorously tested to provide a minimum of 30 minutes' fire resistance and superb durability, Halspan IT is the ideal choice where an internal grade solid timber core door is required.



### Fire Rating FD30

<b>Tested in Accordance with:</b>	BS 476: Part 22, BS EN 1634-1 & BS EN 1363-1		 
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	Maximum height: 3014mm*	
		Maximum width: 1163mm*	
	Double Doors	Maximum height: 2914mm*	
		Maximum width: 1113mm*	
<b>Approved Frames</b>	Timber Hardwood, Timber Softwood		
<b>Approved Glazing Size</b>	0.98m <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 29 dB/Rw
		Glazed 30 dB/Rw
	Double Doors	Unglazed 28 dB/Rw
		Glazed 29dB/Rw



### Environmental

<b>U-value (Wm2K)</b>	Heat loss per m <sup>2</sup> <1.8 (doorset)	 Look for our FSC® certified products www.fsc.org FSC® C003410 The mark of responsible forestry
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### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191, EN 1192, EN 947, EN 948, EN 949, EN 950, BS EN 12046-2:2000, BS 6375 Part 3, Annex A and C
<b>Enhanced security performance requirements of door set</b>	Tested to comply with PAS 24

# Halspan IT30 FD30 44mm

Solid Timber Core Door Blanks



## General Properties

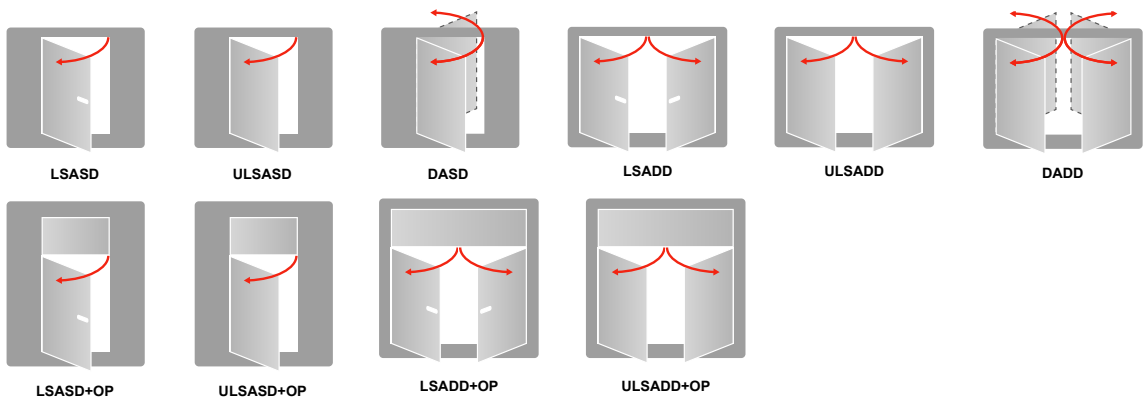
Weight (Avg.)	24.7kg/m <sup>2</sup>
Density (±10%)	450 - 550 kg/m <sup>3</sup>
Moisture Content	Ex factory 8 - 12%



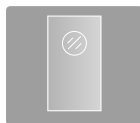
## Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	PVA, PU, U/F
Flat Timber Lippings	6 - 11 mm thick
Rebated Lippings (double doors)	18 - 28 mm thick
Standard Intumescent	Palusol Graphite

## Doorset Configurations



## Design Options



Glazing



Feature Grooves



Seals



Hardware

## Seals & Hardware

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# HALSPAN®



## Halspan IT FD60 54mm Solid Timber Core Door Blanks

**Halspan IT60** - Internal grade door blanks made with a 3-layer solid timber core faced with MDF for a superior finish. Rigorously tested to provide a minimum of 60 minutes' fire resistance and superb durability, Halspan IT is the ideal choice where an internal grade solid timber core door is required.



### 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. Please refer to certification reports for the corresponding widths and heights.	Single Doors	Maximum height: 2466mm*	
		Maximum width: 1235mm*	
<b>Approved Frames</b>	Timber Hardwood		
<b>Approved Glazing Size</b>	0.5m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		




### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010		
<b>Acoustic Performance</b>	Single Doors	Unglazed 27 dB/Rw	
		Glazed 27 dB/Rw	
	Double Doors	Unglazed 30 dB/Rw	
		Glazed 30 dB/Rw	



### Environmental

<b>U-value (Wm2K)</b>	Heat loss per m <sup>2</sup> <1.6 (doorset)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
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### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191, EN 1192, EN 947, EN 948, EN 949, EN 950, BS EN 12046-2:2000, BS 6375 Part 3, Annex A and C
<b>Enhanced security performance requirements of door set</b>	Tested to comply with PAS 24

# Halspan IT FD60 54mm

Solid Timber Core Door Blanks



## General Properties

Weight (Avg)	29kg/m <sup>2</sup>
Density (±10%)	450 - 550 kg/m <sup>3</sup>
Moisture Content	Ex factory 8 - 12%



## Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	UF, PU or WBP Melamine
Flat Timber Lippings	6 - 12 mm thick
Rebated Timber Lippings (double doors)	22 - 28mm thick
Standard Intumescent	Graphite

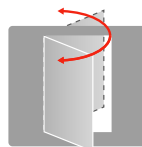
## Doorset Configurations



LSASD

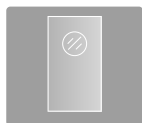


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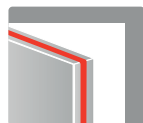


DASD

## Design Options



Glazing



Seals



Hardware

## Seals & Hardware

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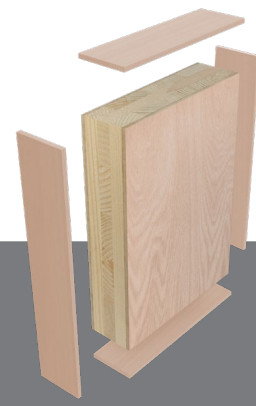


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# HALSPAN®



## Halspan XT FD30 44mm Solid Timber Core Door Blanks

**Halspan XT30** - True external grade door blanks made with a 3-layer solid timber core faced with class 3 exterior grade plywood. Rigorously tested to provide a minimum of 30 minutes' fire resistance and superb durability, Halspan XT is the ideal choice for flush external timber door solutions.



### Fire Rating FD30

<b>Tested in Accordance with:</b>	BS 476: Part 22, BS EN 1634-1 & BS EN 1363-1		 
<b>Maximum Approved Sizes*</b> <small>* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.</small>	Single Doors	Maximum height: 3014mm*	
		Maximum width: 1163mm*	
	Double Doors	Maximum height: 2914mm*	
		Maximum width: 1113mm*	
<b>Approved Frames</b>	Timber Hardwood, Timber Softwood		
<b>Approved Glazing Size</b>	0.98m <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 27dB/Rw
		Glazed 31dB/Rw
	Double Doors	Unglazed 28dB/Rw
		Glazed 29dB/Rw



### Environmental

<b>U-value (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> <1.8 (doorset)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
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### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191, EN 1192, EN 947, EN 948, EN 949, EN 950, BS EN 12046-2:2000, BS 6375 Part 3, Annex A and C
<b>Enhanced security performance requirements of door set</b>	Tested to comply with PAS 24
<b>Plywood EN 636-3 (Service Class 3)</b>	Plywood for use in exterior conditions including liquid water or water vapour in damp but ventilated locations.
<b>Glue EN 314-2. Class 3</b>	Exterior conditions – unprotected exterior conditions over sustained periods. This is equivalent to climatic conditions leading to a higher moisture content than would be suitable for bond class 2 environments.

# Halspan XT FD30 44mm

Solid Timber Core Door Blanks



## General Properties

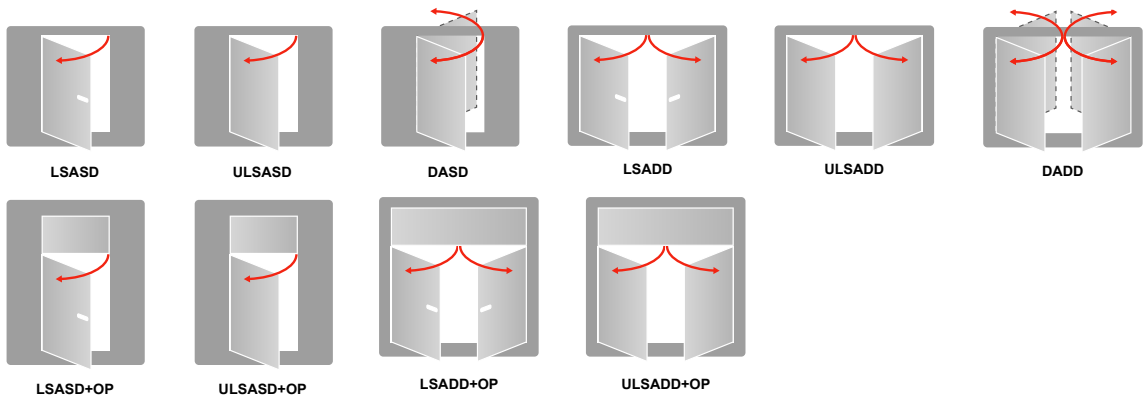
Weight (Avg.)	21.5kg/m <sup>2</sup>
Density (±10%)	450 - 550 kg/m <sup>3</sup>
Moisture Content	Ex factory 8 - 12%



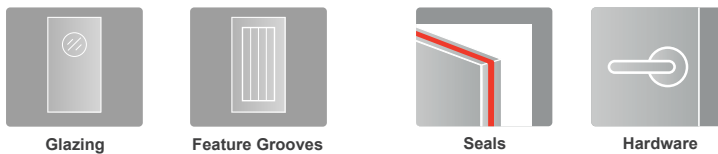
## Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	PVA, PU & UF
Flat Timber Lippings	6 - 11 mm thick
Rebated Timber Lippings (double doors)	18 - 28 mm thick
Standard Intumescent	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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## Halspan XT FD60 54mm Solid Timber Core Door Blanks

**Halspan XT60** - True external grade door blanks made with a 3-layer solid timber core faced with class 3 exterior grade plywood. Rigorously tested to provide a minimum of 60 minutes' fire resistance and superb durability, Halspan XT is the ideal choice for flush external timber door solutions.



### 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>	Single Doors	Maximum height: 2533mm*	
		Maximum width: 1052mm*	
* Maximum approved sizes based on timber door frames. Please refer to certification reports for the corresponding widths and heights.	Double Doors	Maximum height: 2483mm*	
		Maximum width: 1002mm*	
<b>Approved Frames</b>	Timber Hardwood		
<b>Approved Glazing Size</b>	0.5m <sup>2</sup>		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		




### Acoustics

<b>Tested in Accordance with:</b>	BS EN ISO 10140-2:2010	
<b>Acoustic Performance</b>	Single Doors	Unglazed 28 dB/Rw
		Glazed 32 dB/Rw
	Double Doors	Unglazed 29 dB/Rw
		Glazed 30 dB/Rw



### Environmental

<b>U-value (Wm<sup>2</sup>K)</b>	Heat loss per m <sup>2</sup> <1.6 (doorset)	 Look for our FSC® certified products www.fsc.org FSC® C003410 The mark of responsible forestry
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### Operational & Durability

<b>Tested in Accordance with:</b>	EN 1191, EN 1192, EN 947, EN 948, EN 949, EN 950, BS EN 12046-2:2000, BS 6375 Part 3, Annex A and C
<b>Enhanced security performance requirements of door set</b>	Tested to comply with PAS 24
<b>Plywood EN 636-3 (Service Class 3)</b>	Plywood for use in exterior conditions including liquid water or water vapour in damp but ventilated locations.
<b>Glue EN 314-2. Class 3</b>	Exterior conditions – unprotected exterior conditions over sustained periods. This is equivalent to climatic conditions leading to a higher moisture content than would be suitable for bond class 2 environments.

# Halspan XT FD60 54mm

Solid Timber Core Door Blanks



## General Properties

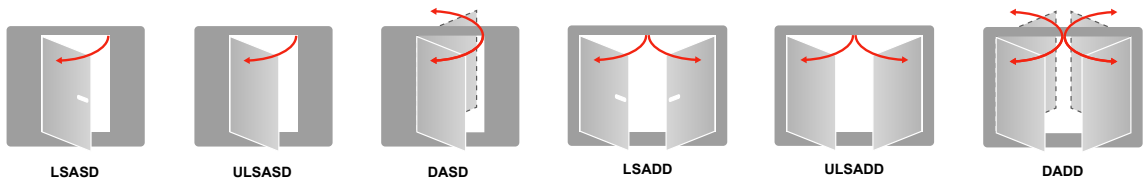
Weight (Avg.)	27.9kg/m <sup>2</sup>
Density (±10%)	450 - 550 kg/m <sup>3</sup>
Moisture Content	Ex factory 8 - 12%



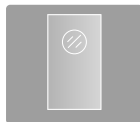
## Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	UF, PU or WBP Melamine
Flat Timber Lippings	6 - 12 mm thick
Rebated Timber Lippings (double doors)	22 - 28mm
Standard Intumescent	Palusol Graphite

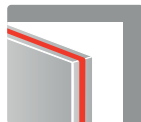
## Doorset Configurations



## Design Options



Glazing



Seals



Hardware

## Seals & Hardware

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# Universal 60 45mm

## Fire Rated Mineral Core Door Blanks

**Universal 60** is a mineral component internal door blank manufactured from high density mineral stiles and rails with a low density mineral core. Universal 60 can be supplied as a banded core without crossbands. Note: for made to order sizes, banded core with crossbands can be provided.

### Banded Door Blank options

Product Code	Product Options
UNI-BCO-B60	Halspan Universal 60 - Banded core without crossband, Cat B*

Category B - without intumescent seal

### Crossband

Product Code	Product Options	Dimensions
UNI-HDF-CB4	Halspan Universal HDF 4mm crossband	2440 x 1220 x 4mm

### Stiles & Rails

Product Code	Product Options	Dimensions
UNI-STI-RAI-060	Halspan Stile & Rail material for re-sizing	2400 x 40 x 37mm



### Fire Rating 60 Mins

<b>Tested in Accordance with:</b>	NFPA 252 , CAN/ULC S104, UL 10C, and UL10B		
<b>60 Minute Rating</b>	Single Doors	2400 x 1100mm	
<b>Maximum Approved Leaf Sizes</b>			
<b>Approved Frames</b>	Halspan Universal Composite Frame Range (REF 67819)		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		



### Environmental



# UniversalL 60 45mm

Fire Rated Mineral Core Door Blanks



## General Properties

O/A Door Leaf Thickness:	45mm
Mineral Core Density:	550 kg/m <sup>3</sup>
Mineral Stile and Rail Density:	1250kg/m <sup>3</sup>
Stile and Rail Joints:	90° Joint
LVL Lipping Density:	726 kg/m <sup>3</sup>
Finish Type :	Melamine/Veneer/Paint
Intumescent :	As per detail
Hinges :	4 Hinges required
	Butt Hinge
Wall Type :	For use with drywall with masonry-concrete structure with thickness greater than 120mm



## Design Criteria

Lipping Section Details	10mm
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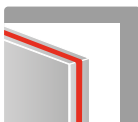
## Doorset Configurations



LSASD



## Seals & Hardware



Seals



Hardware

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## Universal 90 45mm

### Fire Rated Mineral Core Door Blanks

**Universal 90** is a mineral component internal door blank manufactured from high density mineral stiles and rails with a low density mineral core. Universal 90 can be supplied as a banded core without crossbands. Note: for made to order sizes, banded core with crossbands can be provided.

#### Banded Door Blank options

Product Code	Product Options
UNI-BCO-B90	Halspan Universal 90 - Banded core without crossband, Cat B*

Category B - without intumescent seal

#### Crossband

Product Code	Product Options	Dimensions
UNI-HDF-CB3	Halspan Universal HDF 3mm crossband	2440 x 1220 x 3mm

#### Stiles & Rails

Product Code	Product Options	Dimensions
UNI-STI-RAI-090	Halspan Stile & Rail material for re-sizing	2400 x 60 x 39mm



#### Fire Rating 90 Mins

<b>Tested in Accordance with:</b>	NFPA 252 , CAN/ULC S104, UL 10C, and UL10B		
<b>90 Minute Rating Maximum Approved Leaf Sizes</b>	Single Doors	2400 x 950mm	
	Double Doors	2400 x 950mm x2	
<b>Approved Frames</b>	Listed Backfilled Steel		
<b>Panel Effect</b>	No		
<b>Feature Grooves</b>	No		



#### Environmental



# UniversalL 90 45mm

Fire Rated Mineral Core Door Blanks



## General Properties

O/A Door Leaf Thickness:	45mm
Mineral Core Density:	580 kg/m <sup>3</sup>
Mineral Stile and Rail Density:	1250 kg/m <sup>3</sup>
Stile and Rail Joints:	90° Joint
Plywood Stile Lipping Density:	720 kg/m <sup>3</sup>
Finish Type :	Melamine/Veneer/Paint
Intumescent :	As per detail
Hinges :	4 Hinges required
	Butt Hinge
Wall Type :	For use with drywall with masonry-concrete structure with thickness greater than 120mm



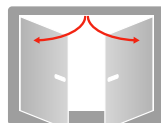
## Design Criteria

Lipping Glue Lines	PVA
Lipping Section Details	8mm

## Doorset Configurations



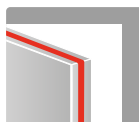
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## Seals & Hardware



Seals



Hardware

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Halspan's **VISION** is to be the world's leading supplier of trusted, high-performance building products, specialising in fire, acoustic and service life excellence.

Halspan's **MISSION** is to be the world's leading supplier of innovative, quality, sustainably-sourced building product solutions, specialising in fire, acoustic and service life performance. Using our trusted Halspan brand and supporting test data to differentiate our portfolio of fire and non-fire rated door blanks, cores and associated doorset system components, we aim to develop existing and new product lines that markets around the world can rely on.

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