



HALSPAN® to the core and more...

Door Blanks & Cores Range

Product Data Sheets



DANUBE
No.1 building material company



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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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

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) * Maximum approved sizes based on timber door frames. Refer to test data for full details	Single Doors	2900 x 1203mm 3317 x 1050mm	
	Double Doors	2900 x 1153mm 3342 x 928mm	
Approved Frames	Timber Hardwood, Timber Softwood, MDF, Steel, Aluminium		
Approved Glazing Size	1.75m ²		
Panel Effect	Yes		
Feature Grooves	Yes		




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 our FSC® certified products The mark of responsible forestry
Formaldehyde Release Rating	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

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 23 & PAS 24



General Properties

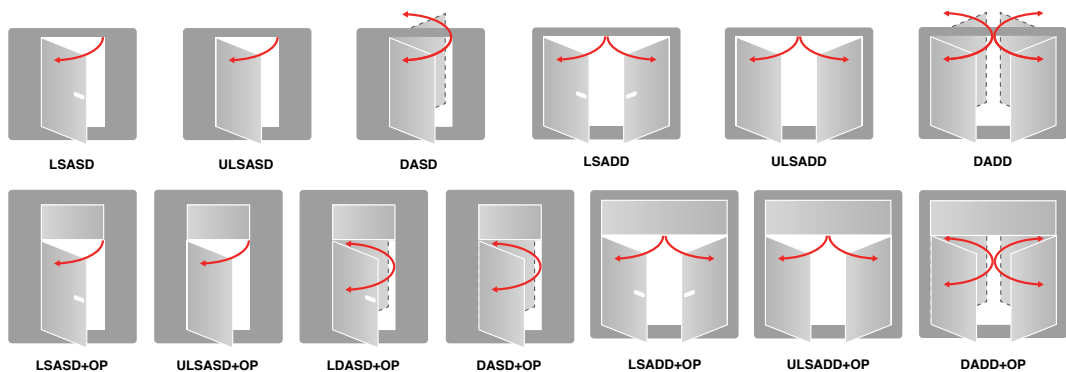
Weight	27.7 kg/m ²
Density (±10%)	630 kg/m ³
Moisture Content	Ex factory 6-12%



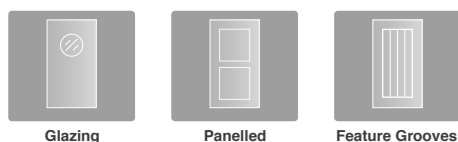
Design Criteria

Stock Board Sizes	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	Lipping Glue Lines	PVA PVAC U/F P/F PU Hot Melt
		Lipping Section Details	6 - 18mm thick
		Rebated Lippings (double doors etc)	18 - 28mm thick
		Standard Intumescent	Palusol Graphite

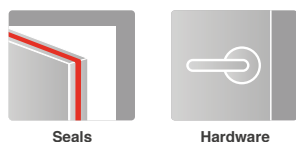
Doorset Configurations



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

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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

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)	 www.fsc.org FSC® C003410 The mark of responsible forestry	Look for our 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



General Properties

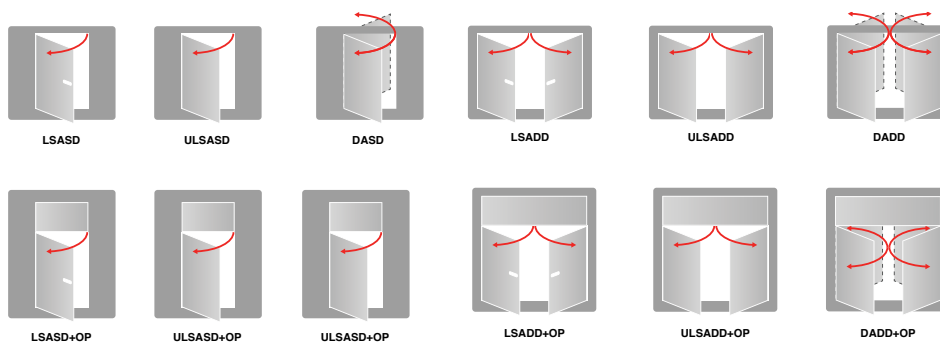
Weight	27.3kg/m ²
Density (±10%)	620 kg/m ³
Moisture Content	Ex factory 6-12%



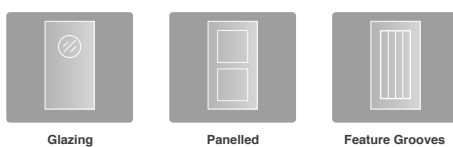
Design Criteria

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
2440 x 1220 mm	2800 x 915 mm	Lipping Section Details	PU
2050 x 826 mm	2050 x 926 mm		Hotmelt
2050 x 926 mm	2800 x 1830 mm	Rebated Lippings (double doors etc)	6 - 18 mm thick
3050 x 1050 mm		Standard Intumescent	18 - 28mm thick
			Palusol
			Graphite

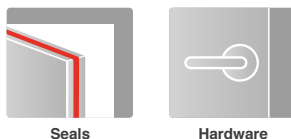
Doorset Configurations



Design Options



Seals & Hardware



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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

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) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2441 x 1384mm
		3050 x 825mm
	Double Doors	2300 x 1142mm
		2850 x 825mm
Approved Frames	Timber Hardwood, MDF, Steel	
Approved Glazing Size	0.82m ²	
Panel Effect	Yes	
Feature Grooves	Yes	



Acoustics

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



Environmental

U-value (Wm2K)	Heat loss per m ² 1.6 (doorset)
Formaldehyde Release Rating	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)



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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



General Properties

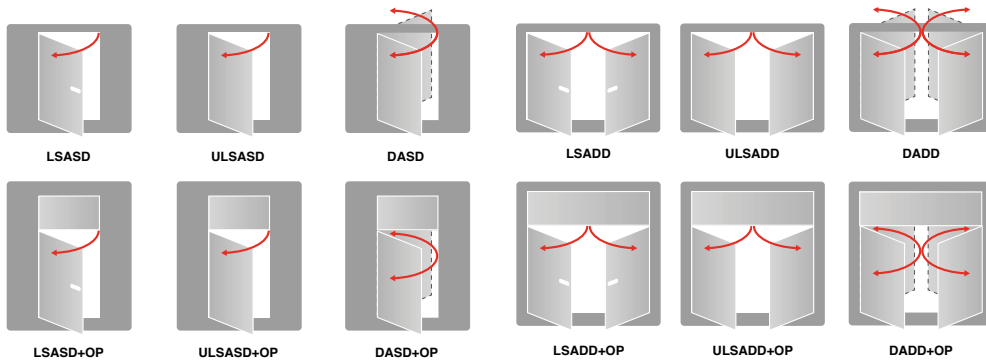
Weight	34 kg/m ²
Density (±10%)	630 kg/m ³
Moisture Content	Ex factory 6-12%



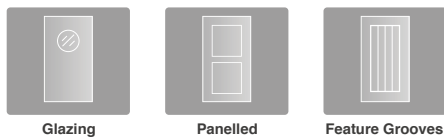
Design Criteria

Stock Board Sizes	2135 x 915 mm 2800 x 915 mm 2440 x 1220 mm 3050 x 1050 mm 2440 x 915 mm 2050 x 826 mm 2050 x 926 mm 2800 x 1830mm	Lipping Glue Lines	PVA PVAC U/F P/F PU Hot Melt
		Rebated Lippings (double doors etc)	6 - 18 mm thick
		Rebates (Double doors, etc)	20 - 30 mm thick

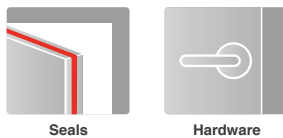
Doorset Configurations



Design Options



Seals & Hardware



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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

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) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2441 x 1384mm	
		3050 x 825mm	
Double Doors	2300 x 1142mm		
	2850 x 825mm		
Approved Frames	Timber, Hardwood, MDF		
Approved Glazing Size	0.82m ²		
Panel Effect	No		
Feature Grooves	Yes		




Acoustics

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



Environmental

U-value (Wm²K)	Heat loss per m ² 1.8 (doorset)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
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



General Properties

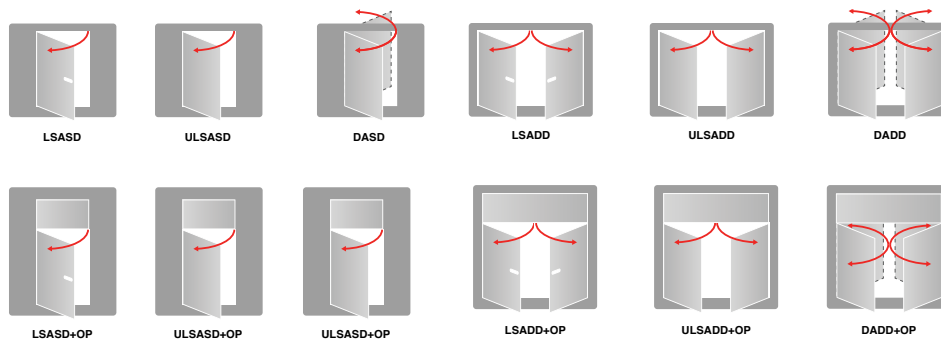
Weight	33.5kg/m ²
Density (±10%)	620 kg/m ³
Moisture Content	Ex factory 6-12%



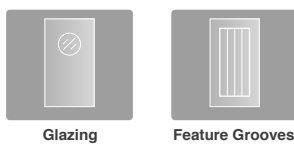
Design Criteria

Stock Board Sizes	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	Lipping Glue Lines	PVA PVAC U/F P/F PU
		Lipping Section Details	6 - 18 mm thick
		Rebated Lippings (double doors etc)	20 - 30mm thick
		Standard Intumescent	Palusol Graphite

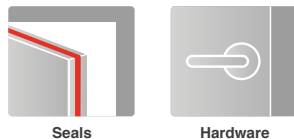
Doorset Configurations



Design Options



Seals & Hardware



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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

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) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2800 x 1020mm	
		2856 x 1000mm	
	Double Doors	2150 x 940mm	
		2200 x 915mm	
Approved Frames	Timber Hardwood		
Approved Glazing Size	0.56m ²		
Panel Effect	No		
Feature Grooves	No		



Acoustics

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



Environmental

Formaldehyde Release Rating	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)	 www.fsc.org FSC® C003410 The mark of responsible forestry	Look for our FSC® certified products
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Operational & Durability

Tested in Accordance with:	DD 171, EN 1191, EN 1192, EN 947, EN 949 & EN 950
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General Properties

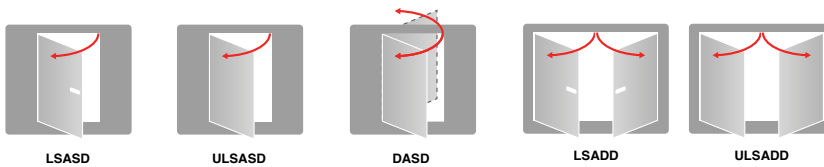
Weight	40.3 kg/m ²
Density (±10%)	630 kg/m ³
Moisture Content	Ex factory 6-12%



Design Criteria

Stock Board Sizes	2150 x 1040 mm 2440 x 1220 mm
Lipping Glue Lines - Timber	PVA U/F PU
Lipping Section Details	3mm thick
Rebated Lippings (double doors etc)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

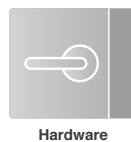
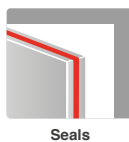
Doorset Configurations



Design Options



Seals & Hardware



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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

Tested in Accordance with:	BS 476: Part 22: 1987		
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	2040 x 1080mm	
		2428 x 900mm	
	Double Doors	2040 x 1030mm	
		2328 x 900mm	
Approved Frames	Timber Hardwood, Timber Softwood, MDF		
Panel Effect	No		
Approved Glazing Size	1.25m ²		
Feature Grooves	No		



Acoustics

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



Environmental

U-value (Wm2K)	Heat loss per m ² 2.0 (doorset)		 Look for our FSC® certified products
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Operational & Durability

Tested in Accordance with:	DD 171, EN 1191, EN 1192, EN 947, EN 949 & EN 950
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General Properties

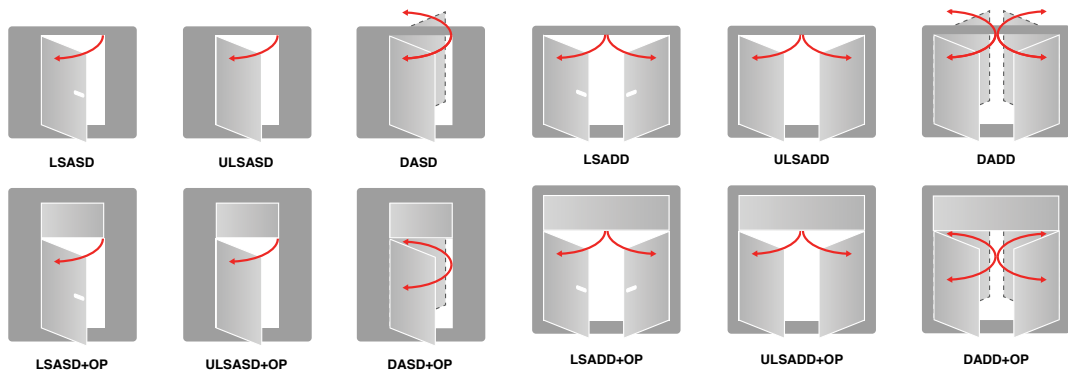
Weight	27 kg/m ²
Density (±10%)	630 kg/m ³
Moisture Content	Ex factory 6-12%



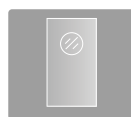
Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	PVAC U/F P/F PU PU based Hotmelt
Lipping Section Details	6 - 18mm thick
Rebated Lippings (double doors etc)	18 - 28mm thick
Standard Intumescent	Halspan Intumescent Kit

Doorset Configurations



Design Options



Glazing



Seals & Hardware



Seals



Hardware

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

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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

Tested in Accordance with:	BS 476: Part 22: 1987		
Maximum Approved Sizes* (Please check standard supplied sizes shown overleaf) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2039 x 901mm	
		2189 x 826mm	
	Double Doors	2039 x 851mm	
		2089 x 826mm	
Approved Frames	Timber Hardwood, MDF		
Approved Glazing Size	0.50m ²		
Panel Effect	No		
Feature Grooves	No		



Acoustics

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



Environmental

U-value (Wm2K)	Heat loss per m ² 1.8 (doorset)		 Look for our FSC® certified products
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General Properties

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



Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	PU Based Hotmelt PVAC U/F P/F PU
Lipping Section Details	6 - 18 mm thick
Rebates (Double doors, etc)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

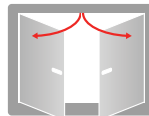
Doorset Configurations



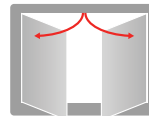
LSASD



ULSASD

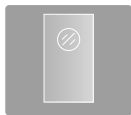


LSADD



ULSADD

Design Options



Glazing



Seals & Hardware



Seals



Hardware

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

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HALSPAN



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

Standard Supplied Sizes (Alternative size / thickness on request)	2135 x 915mm
	2440 x 1220mm
Approved Frames	Timber Hardwood, Timber Softwood, MDF, Steel, Aluminium
Approved Glazing Size	1.75m ²
Panel Effect	Yes
Feature Grooves	Yes




Acoustics

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



Environmental

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



Operational & Durability

Tested in Accordance with:	EN 1191
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General Properties

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

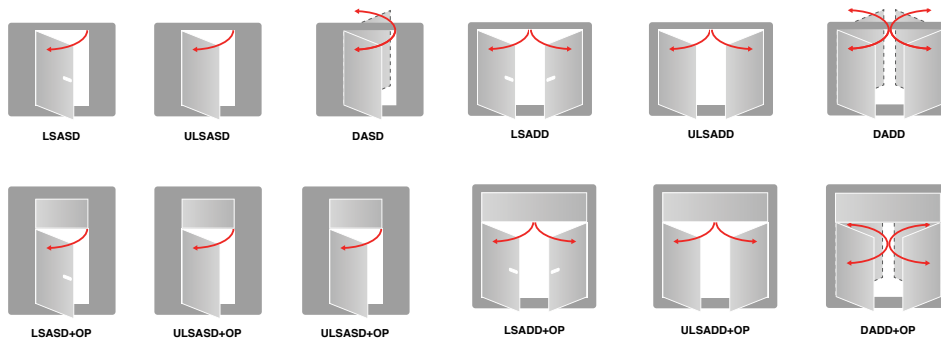
Issue 20/07/23 - 16:09



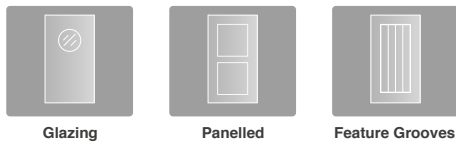
Design Criteria

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®



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

Standard Supplied Sizes (Alternative size / thickness on request)	2135 x 915mm
	2440 x 1220mm
Approved Frames	Timber Hardwood, Timber Softwood, MDF, Steel, Aluminium
Approved Glazing Size	1.75m ²
Panel Effect	Yes
Feature Grooves	Yes



Acoustics

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



Environmental

Formaldehyde Release Rating	BS EN 13986 (2004) – Class E1		 www.fsc.org FSC® C003410 The mark of responsible forestry	Look for our FSC® certified products
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Operational & Durability

Tested in Accordance with:	EN 1191
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General Properties

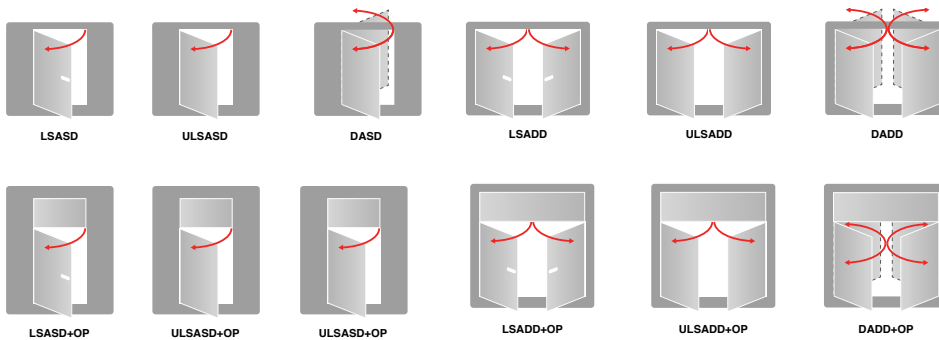
Weight	25.5kg/m ²
Density (±10%)	600 kg/m ³
Moisture Content	Ex factory 6-12%



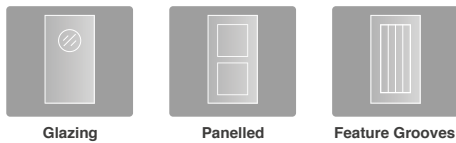
Design Criteria

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



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HALSPAN



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

Tested in Accordance with:	BS 476: Part 22: 1987		
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	2395 x 1022mm	
		2660 x 915mm	
	Double Doors	2395 x 997mm	
		2610 x 915mm	
Approved Frames	Timber Hardwood and Backfilled Steel Frame		
Approved Glazing Size	0.50m ²		
Panel Effect	No		
Feature Grooves	No		



Acoustics

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



Environmental

Formaldehyde Release Rating	BS EN 13986 (2004) – Class E1	 www.fsc.org FSC® C003410 The mark of responsible forestry	Look for our FSC® certified products
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General Properties

Weight	48 kg/m ²
Density (±10%)	800 kg/m ³
Moisture Content	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 2390 X 1190mm
Lipping Glue Lines	PU
Lipping Section Details	3mm thick
Rebated Lippings (double doors etc)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

Doorset Configurations

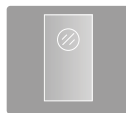


LSASD



LSADD

Design Options



Glazing



Seals & Hardware



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

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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

Tested in Accordance with:	BS 476: Part 22: 1987		
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	2400 x 1297mm	
		3103 x 1000mm	
	Double Doors	2400 x 1272mm	
		3050 x 1000mm	
Approved Frames	Timber Hardwood		
Approved Glazing Size	0.25m ²		
Panel Effect	No		
Feature Grooves	No		



Acoustics

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



Environmental

NAF
No Added
Formaldehyde

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General Properties

Weight	46 kg/m ²
Density (±10%)	744 kg/m ³
Moisture Content	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.



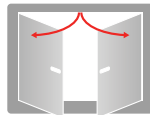
Design Criteria

Stock Board Sizes	2200 x 930 mm 2390 x 1190 mm
Lipping Glue Lines	PU
Lipping Section Details	3 mm thick
Rebated Lippings (double doors etc)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

Doorset Configurations



LSASD



LSADD



Seals & Hardware



Seals



Hardware

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HALSPAN



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

Tested in Accordance with:	BS 476: Part 22: 1987		
Maximum Approved Sizes* (Please check standard supplied sizes shown overleaf) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2400 x 1105mm	
		2640 x 1000mm	
	Double Doors	2400 x 1080mm	
		2590 x 1000mm	
Approved Frames	Timber Hardwood		
Panel Effect	No		
Feature Grooves	No		



Acoustics

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



Environmental

NAF
No Added
Formaldehyde

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General Properties

Weight	47 kg/m ²
Density (±10%)	744 kg/m ³
Moisture Content	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.



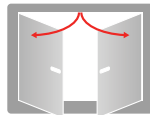
Design Criteria

Stock Board Sizes	2200 x 930 mm 2390 x 1190 mm
Lipping Glue Lines	PU
Lipping Section Details	3 mm thick
Rebated Lippings (double doors etc)	Not Permitted
Standard Intumescent	Halspan Intumescent Kit

Doorset Configurations



LSASD



LSADD



Seals & Hardware



Seals



Hardware

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HALSPAN®



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

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) * Maximum approved sizes based on timber door frames. Refer to test data for full details.	Single Doors	2438 x 1163mm	
		3014 x 926mm	
	Double Doors	2438 x 1113mm	
		2914 x 926mm	
Approved Frames	Timber Hardwood, Timber Softwood		
Approved Glazing Size	0.98m ²		
Panel Effect	No		
Feature Grooves	Yes		




Acoustics

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



Environmental

U-value (Wm2K)	Heat loss per m ² <1.8 (doorset)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
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Operational & Durability

Tested in Accordance with:	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
Enhanced security performance requirements of door set	Tested to comply with PAS 24



General Properties

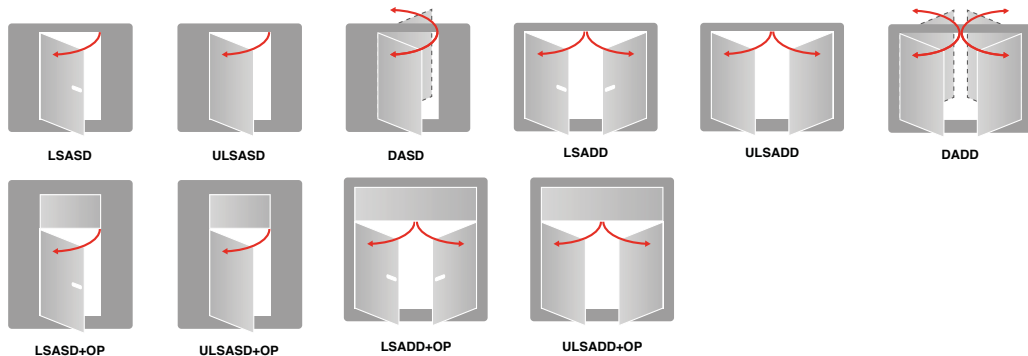
Weight (Avg.)	24.7kg/m ²
Density (±10%)	450 - 550 kg/m ³
Moisture Content	Ex factory 8 - 12%



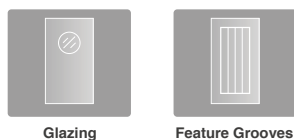
Design Criteria

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

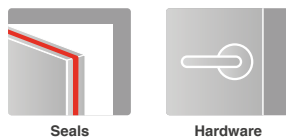
Doorset Configurations



Design Options



Seals & Hardware



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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

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	2415 x 1235mm	
		2466 x 1210mm	
Approved Frames	Timber Hardwood		
Approved Glazing Size	0.5m ²		
Panel Effect	No		
Feature Grooves	No		




Acoustics

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



Environmental

U-value (Wm2K)	Heat loss per m ² <1.8 (doorset)	 Look for our FSC® certified products FSC® C003410 The mark of responsible forestry
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Operational & Durability

Tested in Accordance with:	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
Enhanced security performance requirements of door set	Tested to comply with PAS 24



General Properties

Weight (Avg)	29kg/m ²
Density (±10%)	450 - 550 kg/m ³
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
Lipping Section Details	6 - 12 mm thick
Standard Intumescent	Graphite

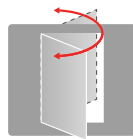
Doorset Configurations



LSASD

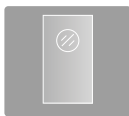


ULSASD



DASD

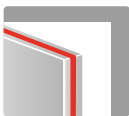
Design Options



Glazing



Seals & Hardware



Seals



Hardware

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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

Tested in Accordance with:	BS 476: Part 22: 1987, BS EN 1634-1:2000/2008 & BS EN 1363-1:1999		 
Maximum Approved Sizes* <small>* Maximum approved sizes based on timber door frames. Refer to test data for full details.</small>	Single Doors	2438 x 1163mm 3014 x 926mm	
	Double Doors	2438 x 1113mm 2914 x 926mm	
Approved Frames	Timber Hardwood, Timber Softwood		
Approved Glazing Size	0.98m ²		
Panel Effect	No		
Feature Grooves	Yes		




Acoustics

Tested in Accordance with:	BS EN ISO 10140-2:2010	
Acoustic Performance	Single Doors	Unglazed 27dB/Rw
		Glazed 31dB/Rw
	Double Doors	Unglazed 28dB/Rw
		Glazed 29dB/Rw



Environmental

U-value (Wm²K)	Heat loss per m ² <1.8 (doorset)	 <small>Look for our FSC® certified products</small> <small>The mark of responsible forestry</small>
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Operational & Durability

Tested in Accordance with:	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
Enhanced security performance requirements of door set	Tested to comply with PAS 24
Plywood EN 636-3 (Service Class 3)	Plywood for use in exterior conditions including liquid water or water vapour in damp but ventilated locations.
Glue EN 314-2. Class 3	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.



General Properties

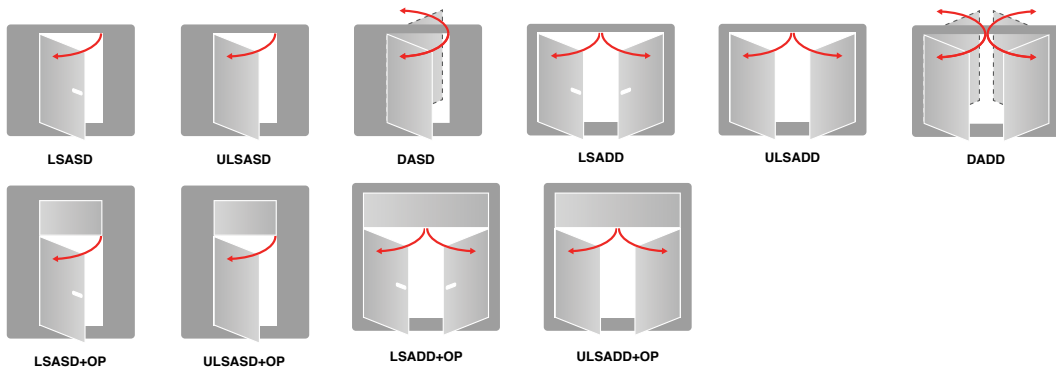
Weight (Avg.)	21.5kg/m ²
Density (±10%)	450 - 550 kg/m ³
Moisture Content	Ex factory 8 - 12%



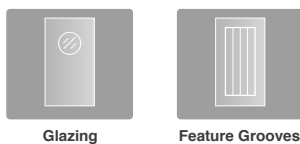
Design Criteria

Stock Board Sizes	2135 x 915 mm 2440 x 1220 mm
Lipping Glue Lines	PVA, PU & UF
Lipping Section Details	6 - 11 mm thick
Rebated Lippings (double doors etc)	18 - 28 mm thick
Standard Intumescent	Palusol Graphite

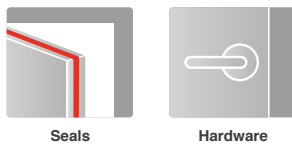
Doorset Configurations



Design Options



Seals & Hardware



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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

Tested in Accordance with:	BS 476: Part 22: 1987, BS EN 1634-1:2000/2008 & BS EN 1363-1:1999		 
Maximum Approved Sizes* <small>* Maximum approved sizes based on timber door frames. Refer to test data for full details.</small>	Single Doors	2440 X 1290mm	
		2571 X 1220mm	
	Double Doors	2440 X 965mm	
		2530 X 925mm	
Approved Frames	Timber Hardwood		
Approved Glazing Size	0.5m ²		
Panel Effect	No		
Feature Grooves	No		




Acoustics

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



Environmental

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

Tested in Accordance with:	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
Enhanced security performance requirements of door set	Tested to comply with PAS 24
Plywood EN 636-3 (Service Class 3)	Plywood for use in exterior conditions including liquid water or water vapour in damp but ventilated locations.
Glue EN 314-2. Class 3	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.



General Properties

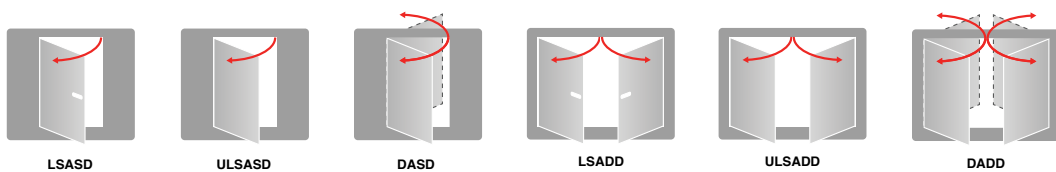
Weight (Avg.)	27.9kg/m ²
Density (±10%)	450 - 550 kg/m ³
Moisture Content	Ex factory 8 - 12%



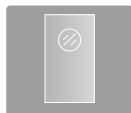
Design Criteria

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

Doorset Configurations



Design Options



Glazing



Seals & Hardware



Seals



Hardware

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

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technical@halspan.com

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UniversalL 60 45mm

Fire Rated Mineral Core Door Blanks

UniversalL 60 is a mineral component internal door blank manufactured from high density mineral stiles and rails with a low density mineral core. UniversalL 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 UniversalL 60 - Banded core without crossband, Cat B*

Category B - without intumescent seal

Crossband

Product Code	Product Options	Dimensions
UNI-HDF-CB4	Halspan UniversalL 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

Tested in Accordance with:	NFPA 252 , CAN/ULC S104, UL 10C, and UL10B		
60 Minute Rating Maximum Approved Leaf Sizes	Single Doors	2400 x 1100mm	
	Double Doors	2400 x 950mm x2	
Approved Frames	Halspan UniversalL Composite Frame Range (REF 67819)		
Panel Effect	No		
Feature Grooves	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 ³
Mineral Stile and Rail Density:	1250kg/m ³
Stile and Rail Joints:	90° Joint
LVL Lipping Density:	726 kg/m ³
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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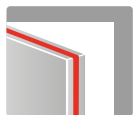
Doorset Configurations



LSASD



Seals & Hardware



Seals



Hardware

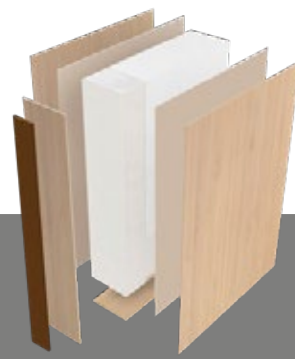
Refer to relevant product third party scope data and literature for further information.

For technical guidance please contact the technical support team -

technical@halspan.com

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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

Tested in Accordance with:	NFPA 252 , CAN/ULC S104, UL 10C, and UL10B		
90 Minute Rating Maximum Approved Leaf Sizes	Single Doors	2400 x 950mm	
	Double Doors	2400 x 950mm x2	
Approved Frames	Listed Backfilled Steel		
Panel Effect	No		
Feature Grooves	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 ³
Mineral Stile and Rail Density:	1250 kg/m ³
Stile and Rail Joints:	90° Joint
Plywood Stile Lipping Density:	720 kg/m ³
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



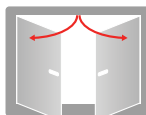
Design Criteria

Lipping Glue Lines	PVA
Lipping Section Details	8mm

Doorset Configurations



LSASD



LSADD



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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