



MORALT FIRESMOKE DOOR BLANKS

LAMINESSE FireSmoke 44
LAMINESSE FireSmoke 54

With Moralt’s LAMINESSE FireSmoke door blank, fire and smoke-rated doors can be produced by competent doorset and joinery manufacturers. FireSmoke door blanks are of engineered construction, which provide exceptional stability with a low deformation classification



- Fully test fire performance
- For FD30, FD60 and NFR internal doorsets
- Scope to produce large leaf sizes
- FSC Chain of Custody certified
- Acoustic evidence supporting performance up to 40dB
- Stable, engineered board construction
- Unlipped blanks ready for processing



PERFORMANCE SUMMARY

	Core			Thickness (mm)				Fire				App.		PAS24 Security	Thermal Range	Certification				COC			Perimeter Framing	Recessed Panels	SCAN HERE	
	Particleboard	Solid Timber	Specialist	35	44	54	59	FD30	FD60	FD90	FD120	Internal	External			Max dB (RW)	Certifire	Q Mark	IFCC	FSC	PEFC	EUTR				DD171/BS EN 1192
FireSmoke 44	✓				✓			✓				✓		36			✓	✓	✓		✓	✓	E1			
FireSmoke 54	✓					✓		✓	✓			✓		40			✓	✓		✓	✓	E1				

FIRESMOKE 44

30 Minutes Performance - Q Mark

Config	Leaf Sizes				Seal Arrangement			Document Link
	Max Height	At Width	Max Width	At Height	Jambs	Head	M/S	
LSASD	2565	1050	1177	2300	1no 15x4	1no 20x4		Chilt/A13058
LSASD+OP	2362	950	1101	2040	1no 20x4	1no 15x4		Chilt/A13058
ULSASD	2515	1050	1152	2300	1no 15x4	1no 20x4		Chilt/A13058
ULSASD+OP	2312	950	1076	2040	1no 20x4	1no 15x4		Chilt/A13058
LSADD	2465	1050	1127	2300	1no 20x4	1no 20x4	1no 20x4	Chilt/A13058
ULSADD	2415	1050	1102	2300	1no 20x4	1no 20x4	1no 20x4	Chilt/A13058
DASD	2515	1050	1152	2300	1no 15x4	1no 20x4		Chilt/A13058
DASD+OP	2312	950	1076	2040	1no 15x4	1no 20x4		Chilt/A13058
DADD	2415	1050	1102	2300	1no 20x4	1no 20x4	1no 20x4	Chilt/A13058

30 Minutes Performance - IFC

Config	Leaf Sizes				Seal Arrangement			Document Link
	Max Height	At Width	Max Width	At Height	Jambs	Head	M/S	
LSASD	3984	1082	1389	2779	1no 20x4	1no 20x4		PAR/14247/01
LSASD+OP	3228	1070	1342	2684	1no 20x4	1no 20x4		PAR/14247/01
ULSASD	2584	960	1126	2253	1no 20x4	1no 25x4		PAR/12519/01
ULSASD+OP	2430	926	926	2430	1no 20x4	1no 25x4		PAR/12519/01
LSADD	3633	1142	1337	2675	1no 20x4	1no 20x4		PAR/14247/01
LSADD+OP	2774	1116	1256	2494	1no 20x4	1no 20x4		PAR/14247/01
ULSADD	2584	960	1126	2253	1no 20x4	1no 25x4	1no 20x4	PAR/12519/01
ULSADD+OP	2598	866	981	2369	1no 20x4	1no 25x4	1no 20x4	PAR/12519/01

Acoustic Performance

Config	Acoustic Seals				Glass Type	dB(Rw) Rating
	Jambs	Head	M/S	Threshold		
Single Flush	LAS1212K	LAS1212K		LAS8001SI & LAS4002		31
Single Flush	ST1009	ST1009		ST422GT		31
Single Glazed	ST1009	ST1009		ST422GT	11mm	33
Pair Flush	LP1504DS & LAS1212K	LP1504DS & LAS1212K	2no LAS1011	LAS8001SI		36
Pair Glazed	LP1504DS & LAS1212K	LP1504DS & LAS1212K	2no LP1504DS	LAS8001SI	15mm Pyrostop	33
Pair Glazed	ST1009	ST1009	104SBS	ST422GT	7mm	33

The above intumescent and acoustic seal configurations are a summary of available performances only. Individual seal manufacturers may have carried out additional independent testing which they could make available to doorset providers.

FIRESMOKE 54

60 Minutes Performance - Q Mark

Config	Leaf Sizes				Seal Arrangement			Document Link
	Max Height	At Width	Max Width	At Height	Jamb	Head	M/S	
LSASD	3010	950	1120	2600	2no 15x4	1no 40x6		Chilt/A13059
ULSASD	2960	950	1095	2600	2no 15x4	1no 40x6		Chilt/A13059
LSADD	2910	950	1070	2600	2no 15x4	1no 40x6	2no 15x4	Chilt/A13059
ULSADD	2860	950	1045	2600	2no 15x4	1no 40x6	2no 15x4	Chilt/A13059
DASD	2960	950	1095	2600	2no 15x4	1no 40x6		Chilt/A13059
DADD	2860	950	1045	2600	2no 15x4	1no 40x6	2no 15x4	Chilt/A13059

60 Minutes Performance - IFC

Config	Leaf Sizes				Seal Arrangement			Document Link
	Max Height	At Width	Max Width	At Height	Jamb	Head	M/S	
LSASD	3145	898	1166	2609	2no 15x4	1no 40x6		PAR/12519/02
LSASD+OP	2805	813	1115	2208	2no 15x4	2no 15x4		PAR/12519/02
ULSASD	3084	881	1144	2559	2no 15x4	1no 40x6		PAR/12519/02
ULSASD+OP	2751	798	1094	2165	2no 15x4	2no 15x4		PAR/12519/02
LSADD	2854	951	1060	2636	2no 15x4	1no 40x6	2no 15x4	PAR/12519/02
LSADD+OP	2469	836	984	2176	2no 15x4	2no 15x4	2no 15x4	PAR/12519/02
ULSADD	2825	941	1049	2610	2no 15x4	1no 40x6	2no 15x4	PAR/12519/02
ULSADD+OP	2444	828	974	2154	2no 15x4	2no 15x4	2no 15x4	PAR/12519/02
DASD	3084	881	1144	2559	2no 15x4	1no 40x6		PAR/12519/02
DASD+OP	2751	798	1094	2165	2no 15x4	2no 15x4		PAR/12519/02
DADD	2825	941	1049	2610	2no 15x4	1no 40x6	2no 15x4	PAR/12519/02
DADD+OP	2444	828	974	2154	2no 15x4	2no 15x4	2no 15x4	PAR/12519/02

Acoustic Performance

Config	Acoustic Seals				Glass Type	dB(Rw) Rating
	Jamb	Head	M/S	Threshold		
Single Flush	ST1009	ST1009		ST422GT		37
Single Glazed	FAS35 & Pyroplex Triple Flipper	FAS35 & Pyroplex Triple Flipper		FAS Trident	16.8mm Optiphon	40
Pair Flush	NOR710 & NOR720	NOR710 & NOR720	NOR720 & 154TF	NOR810+		36
Pair Flush	NOR710 & NOR720	NOR710 & NOR720	154TF	NOR810+		36
Pair Glazed	NOR710 & NOR720	NOR710 & NOR720	154TFW	NOR810+	7mm Pyrodur	36
Pair Glazed	LAS1212 & LAS1011	LAS1212 & LAS1011	2no LAS1011	LAS8001si	15mm Pyrostop	36

The above fire performance specifications for FireSmoke 54 may require a top rail insert in the leaf to attain the noted performance. The details can be found within the relevant documents, or click here for **Q Mark** and **IFC**.
 The above intumescent and acoustic seal configurations are a summary of available performances only. Individual seal manufacturers may have carried out additional independent testing which they could make available to doorset providers.

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- Gateshead Depot** T 0191 338 8208 E gateshead@falconpp.co.uk
- Haydock Depot** T 01744 416 600 E haydock@falconpp.co.uk
- High Wycombe Depot** T 01494 291 777 E highwycombe@falconpp.co.uk
- Leeds Depot** T 0113 887 2222 E leeds@falconpp.co.uk
- Nottingham Depot** T 0115 919 2000 E nottingham@falconpp.co.uk
- Tilbury Depot** T 01375 487 300 E tilbury@falconpp.co.uk
- West Bromwich Depot** T 0121 525 8844 E westbrom@falconpp.co.uk

Falcon Panel Products Ltd
 Clock House
 Station Approach
 Shepperton, Middlesex
 TW17 8AN
 E sales@falconpp.co.uk

www.falconpp.co.uk