

INTERNATIONAL PRODUCT OVERVIEW

EXTERNAL DOOR BLANKS



		ALU Classic		FERRO KlassikPlus		FERRO Klima		FERRO Akustik		FERRO Passiv		FERRO FireSafe		FERRO FireSafe Passiv	
Thickness	inch	2 1/2		2 3/4 3 1/8 3 1/2 3 7/8		2 3/4 3 1/8 3 1/2 3 7/8		2 3/4 3 1/8 3 1/2 3 7/8		3 7/8		2 3/4 3 1/8 3 1/2 3 7/8		3 7/8	
Fire Rating	EN1634-1	-		-		-		-		-		EI30		EI30	
Acoustic value		flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed
R _w (dB) / STC	SD	-	-	30	37	31	37*	44 - 47	44 - 47	30	37	31	37*	31	37
	DD	-	-	30	37	31	37*	44 - 47	44 - 47	30	37	31	37*	31	37
Concealed hardware		✓		✓		✓		✓		✓		✓		✓	
Service life testing	EN 1191	200,000 cycles		200,000 cycles		200,000 cycles		200,000 cycles		200,000 cycles		200,000 cycles		200,000 cycles	
Enhanced security performance	BS EN 6375	-		✓		✓		✓		✓		✓		✓	
	PAS 24	-		✓		✓		✓		✓		✓		✓	
	EN 1627	RC2/RC3**		RC2/RC3**		RC2/RC3**		RC2/RC3**		RC2/RC3**		RC2/RC3		RC2/RC3	
Weight (88 1/4 × 41 3/8 in)	lb/piece	194		137 - 172		154 - 196		194 - 267		154		154 - 196		196	
U-value	W/m²k	1.6		0.95 - 0.65		1.04 - 0.69		1.2 - 0.78		0.54		1.04 - 0.69		0.69	
Climatic perf.	EN 1121	c ,d ,e		c ,d ,e		c ,d ,e		c ,d ,e		c ,d ,e		c ,d ,e		c ,d ,e	
Tolerance classes	EN 1530	4		4		4		4		4		4		4	
	EN 12219	3		3		3		3		3		3		3	
NAUF		on request		on request		on request		on request		on request		on request		on request	
FSC® / PEFC		on request		on request		on request		on request		on request		on request		on request	
Environmental Declaration		-		✓		✓		✓		✓		✓		✓	

* w/ glazing ≥ 44 dB R_w / STC

**tested & valid to H 97 1/4 in

Face types	Mahogany SV, Okumé/Gabun SV, Meranti FL, Oak*, knotty Oak*, knotty Oak 1/8 in*, rustic knotty Oak cross-veneered, Pine FL/ SV, Spruce FL/SV, Larch*, knotty Larch*, white Fir, paint-grade SV, MDF-exterior**, CPL laminate SV=sliced veneer FL=Fineline RV=rotary cut veneer *cross-grain also available **MDF-Exterior possible up to a width of 49 1/4 in
Framing / stiles & rails	Oak, Larch, Conifer wood, Redwood
Maximum production size	Maximum production size of 117 3/8 × 49 1/4 in available upon request. For maximum sizes, certified functionality and material may impose limitations.




INTERNAL DOOR BLANKS
FireSmoke 54 2 1/8
FireSmoke Xtreme 60 2 3/8
SmartCore 55 2 3/16
FireSound 54 2 1/8
FireSound 59 2 3/8
FireSound Plus 54 2 1/8
FireSound Xtreme 58 2 1/4

Fire Ratings	BS 476 Part 22	timber frame	SD	FD30/FD60		FD90		FD30/FD60		FD30/FD60		FD30/FD60		FD30/FD60		FD90/FD120	
	DD		FD30/FD60		FD90		-		FD30/FD60		FD30/FD60		FD30/FD60		-		
	UL10C		-		20/45/60/90		-		20/45/60		20/45/60		20/45/60		20/45/60		
Acoustic values				flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed
R _w (dB) / STC		SD	35	37	37	37 - 38	40	37 - 38	40	39	43	40 - 41	45	43	44	41	
		DD	36	37	37	37 - 38	39	37 - 38	40	39 - 40	44	41 - 42	44	38 - 40	43	41 - 42	
+clad-on panels 1 in		SD	40 - 43	-	41 - 43	-	-	-	42 - 46	-	44 - 46	-	-	-	-	-	
Interconnecting doors		SD	54**	-	-	-	-	-	56 - 57**	-	53 - 68***	-	-	-	-	-	
Concealed hardware			✓		-		✓		✓		✓		✓		-		
Access systems			electronic locks / RFID		-		electronic locks / RFID		electronic locks / RFID		electronic locks / RFID		electronic locks / RFID		-		
Service life testing		EN 1191	500,000 cycles		-		-		-		500,000 cycles		-		-		
		EN 1192	severe duty		-		-		-		-		-		-		
Enhanced security performance		BS EN 6375	✓		-		-		-		-		-		-		
		PAS 24	✓		-		-		-		-		-		-		
		EN 1627	RC2/RC3		-		-		-		-		-		-		
Weight	lb/ft²	7		8		8		8		9		8		10 ½			
U-value	W/m²k	1.71		2.2		1.8		1.9		1.9		1.9		2			
Climatic performance	EN 1121	b, c		-		-		b, c		b, c		b, c		-			
Tolerance classes		EN 1530	4		-		-		3		3		3		-		
		EN 12219	3		-		-		2		2		2		-		
Formaldehyde	EN 16516	in progress		< 0.05 ppm (E0.5)		< 0.05 ppm		< 0.05 ppm (E0.5)		< 0.05 ppm (E0.5)		< 0.05 ppm (E0.5)		< 0.05 ppm (E0.5)			
VOC		in progress		in progress		meets reqt BREEAM and LEED		in progress		in progress		in progress		in progress			
Certification		IFCC	✓		✓		✓		✓		✓		✓		✓		
		Q-Mark	✓		-		-		✓		✓		✓		-		
		Intertek	-		✓		✓		✓		✓		✓		✓		
		UKTCensure	✓		✓		✓		✓		✓		✓		✓		
		FSC®	✓		✓		✓		✓		✓		✓		✓		
		PEFC	on request		on request		on request		on request		on request		on request		on request		
		NAUF	on request		on request		on request		on request		on request		on request		on request		
Environmental Declaration			✓		✓		✓		✓		✓		✓		✓		

**in combination with FireSound 44/54/59

***+clad-on panels 1 in