



PRODUCT OVERVIEW



LAMINESSE	FireSmoke 44 mm 6 mm chipboard face	FireSmoke 44 mm 3,8 mm MDF face	FireSafe 44 mm – long grain veneer (5,3 mm)	FireSmoke 54 mm 6 mm chipboard face	FireSmoke 54 mm 3,2 mm MDF face	FireSound 40 / 54 mm 3 mm chipboard face	FireSound 41 / 59 mm 3 mm chipboard face	Klima 56 mm 5 mm veneer ply	Klima PU 56 mm 5 mm veneer ply	FERRO Passiv 98 mm
InDoor	●	●	-	●	●	●	●	-	-	-
OutDoor	-	-	●	-	-	-	-	●	●	● for PASSIVHAUS
BS 476 Part 22	FD 30 ●	FD 30 ●	FD 30 ●	FD 30 ●	FD 30 ●	FD 30 ●	FD 30 ●	FD 30 -	FD 30 -	FD 30 -
	FD 60 -	FD 60 -	FD 60 -	FD 60 ●	FD 60 ●	FD 60 ●	FD 60 ●	FD 60 -	FD 60 -	FD 60 -
EN 1634-1	EI 30 ●	EI 30 ●	EI 30 -	EI 30 ●	EI 30 ●	EI 30 -	EI 30 -	EI 30 -	EI 30 -	EI 30 -
	E 30/E 60 -	E 30/E 60 -	E 30/E 60 -	E 30/E 60 -	E 30/E 60 -	E 30/E 60 -	E 30/E 60 ●	E 30/E 60 -	E 30/E 60 -	E 30/E 60 -
Acoustic value Rw										
Single Doors	33* / 36** dB	33* / 36** dB	33* / 36** dB	32 / 34* dB	32 / 34* dB	39* / 40 dB	41* / 42 dB	-	-	31 dB
Double Doors	33* / 36** dB	33* / 36** dB	33* / 36** dB	32 / 34* dB	32 / 34* dB	39* / 40 dB	41* / 42 dB	-	-	31 dB
Service Life Testing (Single/Double doors)										
DD 171	Severe duty	Severe duty	Severe duty	Severe duty	Severe duty	-	-	-	-	-
EN 1191	500.000 cycles	500.000 cycles	500.000 cycles	500.000 cycles	500.000 cycles	-	-	-	-	-
EN 1192	Severe duty	Severe duty	Severe duty	Severe duty	Severe duty	-	-	-	-	-
EN 12217	Class 1	Class 1	Class 1	Class 1	Class 1	-	-	-	-	-
Security testing (External door)										
Appropriate for PAS 23/24	-	-	●	-	-	-	-	●	●	-
Climatic performance EN1530	c3***	c3***	c3***	c3***	c3***	-	-	-	-	c d e 4
Weight [kg/m²]	23 - 24	23 - 24	23 - 24	25 - 26	25 - 26	35	40	19 - 22	19 - 22	24
u-value [W/Km²]	1,97	1,97	1,97	1,71	1,75	1,9	1,51	1,27	0,89	0,53
Fire rated door sizes [m²]										
FD 30 Singles/Doubles	BS 476 Part 22 2,95	BS 476 Part 22 2,95	BS 476 Part 22 1,95	-	-	2,56 / 4,75	2,73 / 4,06	-	-	-
FD 60 Singles/Doubles	BS 476 Part 22 -	BS 476 Part 22 -	BS 476 Part 22 -	2,82	2,82	2,03 / 3,78	2,31 / 3,78	-	-	-
E 30/60 Singles	EN 1634-1 -	EN 1634-1 -	EN 1634-1 -	-	-	-	2,08	-	-	-
EI 30 Singles/Doubles	EN 1634-1 3,42 / 6,62	EN 1634-1 3,42 / 6,62	EN 1634-1 -	3,42 / 6,62	3,42 / 6,62	-	-	-	-	-
F.R. Glazing Sizes [m²]										
FD 30	BS 476 Part 22 1,6	BS 476 Part 22 1,6	BS 476 Part 22 1,6	-	-	0,3	0,3	-	-	-
FD 60	BS 476 Part 22 -	BS 476 Part 22 -	BS 476 Part 22 -	1,1	1,1	0,3	0,3	-	-	-
E 30/60	EN 1634-1 -	EN 1634-1 -	EN 1634-1 -	-	-	-	0,3	-	-	-
EI 30	EN 1634-1 2,5	EN 1634-1 2,5	EN 1634-1 -	2,5	2,5	-	-	-	-	-
Rebate detail										
flush	●	●	●	●	●	●	●	-	-	-
single rebate	●	●	-	●	●	-	-	-	-	-
double rebate	●	●	-	●	●	-	-	-	-	-
Door frame for fire door products (EI 30)										
Steel corner frame	●	●	-	●	●	-	-	-	-	-
Steel wrap-around frame	●	●	-	●	●	-	-	-	-	-
Steel wrap-around frame (2 part)	●	●	-	●	●	-	-	-	-	-
Timber frame	●	●	-	●	●	-	-	-	-	-
Timber wrap-around frame	●	●	-	●	●	-	-	-	-	-
Aluminium Frames	BS 476 Part 22 ●	BS 476 Part 22 ●	BS 476 Part 22 ●	●	●	-	-	-	-	-
MDF-frame	BS 476 Part 22 ●	BS 476 Part 22 ●	BS 476 Part 22 ●	●	●	-	-	-	-	-
Door configurations (EI 30)										
Single-leaf										
+ Overpanel (flush/rebated) – Max. height	2,5 m	2,5 m	-	2,5 m	2,5 m	-	-	-	-	-
+ Overpanel (glass)	2,2 m²	2,2 m²	-	2,2 m²	2,2 m²	-	-	-	-	-
+ Side panel (each side)	4 m²	4 m²	-	4 m²	4 m²	-	-	-	-	-
Double-leaf										
+ Overpanel (flush/rebated) – Max. height	2 m	2 m	-	2 m	2 m	-	-	-	-	-
+ Overpanel (glass)	2,2 m²	2,2 m²	-	2,2 m²	2,2 m²	-	-	-	-	-
+ Side panel (each side)	4 m²	4 m²	-	4 m²	4 m²	-	-	-	-	-

● available * Glazed doors ** with fire rated 24 mm thick Acoustic panel both sides *** certified upto 2.000 x 1.000 mm and valid for thickness of 44 mm