MORALT
the core of the door

Moralt Performance Door solutions

BRITISH PRODUCT OVERVIEW

INDOOR

		FireSmoke 44 6 mm MDF face		FireSmoke 54 6 mm Chipface		FireSmoke Xtreme 58 3 mm MDF face		FireSound 44 mm 3 mm MDF face		FireSound 54 mm 3 mm MDF face		FireSound 59 mm 3 mm MDF face		FireSound Xtreme 58 mm 3 mm MDF face	
Fire rating		flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed
BS 476 Part22	SD	FD30	FD30	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90	FD30	FD30	FD30/FD60	FD30/FD60	FD30/FD60	FD30/FD60	FD60/FD90/FD120	FD60/FD90/FD120
	DD	FD30	FD30	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90	FD30	FD30	FD30/FD60	FD30/FD60	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90
Acoustic value Rw	SD	32 dB	–	35 dB	37 dB	37 dB	37 – 38 dB	40 dB	39 dB	40 dB	39 dB	43 dB	40 – 41 dB	44 dB	41 dB
	DD	–	–	36 dB	37 dB	37 dB	37 – 38 dB	39 dB	38 dB	40 dB	39 – 40 dB	44 dB	41 – 42 dB	43 dB	41 – 42 dB
+ clad-on panels (25mm)	SD	–	–	40 – 43 dB	–	41 – 43 dB	–	–	–	42 – 46 dB	–	44 – 46 dB	–	–	–
Interconnecting doors	SD	55 dB*	–	54 dB*	–	–	–	57 dB*	–	56 – 57 dB*	–	53 – 68 dB**	–	–	–
Concealed hardware		–		✓		–		–		✓		✓		–	
Access systems		–		Electronic locks / RFID		–		–		Electronic locks / RFID		Electronic locks / RFID		–	
Service life testing	EN1191	500.000 cycles		500.000 cycles		–		–		–		500.000 cycles		–	
	EN1192	severe duty		severe duty		–		–		–		–		–	
	BS EN 6375	–		PAS24		–		–		–		–		–	
Weight [kg/m²]		29		35		40		32		40		44		51	
U-value [W/m²K]		1,97		1,71		2,2		1,9		1,9		1,51		2,2	
Climatic perform.	EN1530	b, c, 3		b, c, 4		–		–		b, c, 3		b, c, 3		–	
NAUF		on request		on request		on request		on request		on request		on request		on request	
FSC®/ PEFC		✓		✓		✓		✓		✓		✓		✓	

* in combination with FireSound 44/54/59 mm

** + clad-on panels (25 mm)

Door Blank Manufacture — bmtrada Q-Mark Certification | IFC certification | Intertek US | Intertek

INTERNATIONAL PRODUCT OVERVIEW

MORALT
the core of the door

INTERNAL DOORBLANKS

			FireSmoke 54 mm 6 mm Chipface		FireSmoke Xtreme 58 mm 3 mm MDF face		SmartCore 55 mm 22 mm Chipface		FireSound 44 mm 3 mm MDF face		FireSound 54 mm 3 mm MDF face		FireSound 59 mm 3 mm MDF face		FireSound Xtreme 58 mm 3 mm MDF face	
Fire rating			flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed	flush	glazed
BS 476 Part22	timber	SD	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90	FD60	–	FD30	FD30	FD30/FD60	FD30/FD60	FD30/FD60	FD30/FD60	FD60/FD90/FD120	FD60/FD90/FD120
	frame	DD	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90	–	–	FD30	FD30	FD30/FD60	FD30/FD60	FD30/FD60	FD30/FD60	FD60/FD90	FD60/FD90
UL10C	timber	SD	–	–	20/45/60	–	–	–	–	–	20/45/60	–	20/45/60	–	20/45/60	–
	frame	DD	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	steel	SD	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	frame	DD	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Acoustic value STC/Rw$_p$		SD	35 dB	37 dB	37 dB	37 – 38 dB	40 dB	37 – 38 dB	40 dB	39 dB	40 dB	39 dB	43 dB	40 – 41 dB	44 dB	41 dB
		DD	36 dB	37 dB	37 dB	37 – 38 dB	39 dB	37 – 38 dB	39 dB	38 dB	40 dB	39 – 40 dB	44 dB	41 – 42 dB	43 dB	41 – 42 dB
+ clad-on panels (25mm)		SD	40 – 43 dB	–	41 – 43 dB	–	–	–	–	–	42 – 46 dB	–	44 – 46 dB	–	–	–
Interconnecting doors		SD	55 dB*	–	–	–	–	–	57 dB*	–	56 – 57 dB*	–	53 – 68 dB**	–	–	–
Concealed hardware			✓		–		✓		–		✓		✓		–	
Access systems			Electronic locks / RFID				Electronic locks / RFID		–		Electronic locks / RFID		Electronic locks / RFID			
Service life testing	EN1191		500.000 cycles		–	–	–	–	–	–	–	–	500.000 cycles		–	–
	EN1192		severe duty		–	–	–	–	–	–	–	–	–	–	–	–
	BS EN 6375		PAS24		–	–	–	–	–	–	–	–	–	–	–	–
Weight [kg/m²]			35		40		40		32		40		44		51	
U-value [W/m²K]			1,71		2,2		1,8		1,9		1,9		1,51		2,2	
Climatic perform.	EN1530		b, c, 4		–		–		–		b, c, 3		b, c, 3		–	
NAUF			on request		on request		on request		on request		on request		on request		on request	
FSC®/ PEFC			✓		✓		✓		✓		✓		✓		✓	

* in combination with FireSound 44/54/59mm

**+ clad-on panels (25mm)

warringtonfire · Door Blank Manufacture bmtrada · certification IFC · Intertek US · Intertek

Moralt Türrohlinge mit Funktion

PRODUKTÜBERSICHT EUROPA

MORALT — the core of the door

ROHLINGE INNENTÜREN

Feuerschutz/Rauchschutz		Klassik 38 – 44 mm 3 – 6 mm MDF Deck		FireSmoke 44 6 mm MDF Deck		FireSmoke 54 6 mm MDF Deck		FireSmoke Sandwich 54 mm 6 mm MDF Deck		FireSound 54 mm 3 mm MDF Deck		FireSound 59 mm 3 mm MDF Deck		FireSafe Akustik 68 – 98 mm Furnierdeck / MDF Deck	
		ohne LA	verglast	ohne LA	verglast	ohne LA	verglast	ohne LA	verglast	ohne LA	verglast	ohne LA	verglast	ohne LA	verglast
EN1634-1	einflg.	–	–	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30
	zweiflg.	–	–	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30	EI30
EN1634-3	einflg.	–	–	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	–	–	–	–	S_a/S_{200}	S_a/S_{200}
	zweiflg.	–	–	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	S_a/S_{200}	–	–	–	–	S_a/S_{200}	S_a/S_{200}
EN1191	einflg.	–	–	C – C5	C – C5	C – C5	C – C5	C – C5	C – C5	–	–	–	–	C – C5	C – C5
	zweiflg.	–	–	C – C5	C – C5	C – C5	C – C5	C – C5	C – C5	–	–	–	–	C – C5	C – C5
Nation. Zulassung	Deutschland	–	–	T30 (RS)	T30 (RS)	T30 (RS)	T30 (RS)	T30 (RS)	T30 (RS)	–	–	–	–	–	–
	Österreich	–	–	$EI_2\,30\,C5\,(S_{200})$	$EI_2\,30\,C5\,(S_{200})$	$EI_2\,30\,C5\,(S_{200})$	$EI_2\,30\,C5\,(S_{200})$	$EI_2\,30\,C5\,(S_{200})$	$EI_2\,30\,C5\,(S_{200})$	–	–	–	–	in Bearbeitung	in Bearbeitung
	Schweiz	–	–	EI30	EI30	EI30	EI30	EI30	EI30	–	–	–	–	–	–
Schallschutz	einflg.			32 dB	37 dB	35 dB	37 dB	37 dB	37 dB	43 dB	42 dB	43 dB	42 dB	44 dB	44 dB
	zweiflg.			32 dB	37 dB	36 dB	37 dB	37 dB	37 dB	43 dB	42 dB	43 dB	42 dB	44 dB	44 dB
+ Vorsatzschale				41 – 42 dB	42 dB	41 – 44 dB	42 – 44 dB	42 – 45 dB	42 – 45 dB	44 – 47 dB	42 – 45 dB	44 – 47 dB	42 – 45 dB	–	–
Einbruchhemmung	EN1627	–	–	–	–	RC2/RC3	RC2/RC3	RC2/RC3	RC2/RC3	–	–	–	–	RC2/RC3	RC2/RC3
Mech. Festigkeit	EN1192	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4	Klasse 4
Gewicht $[kg/m^2]$		25	25	29	29	35	35	35	35	40	40	44	44	88 – 108	88 – 108
U-value $[W/m^2K]$		1,97	1,97	1,97	1,97	1,71	1,71	1,71	1,71	1,9	1,9	1,51	1,51	1,2 – 0,78	1,2 – 0,78
Differenzklima	EN1530	b, c, 3	b, c, 3	b, c, 3	b, c, 3	b, c, 4	b, c, 4	b, c, 4	b, c, 4	b, c, 3	b, c, 3	b, c, 3	b, c, 3	c, d, e, 4	c, d, e, 4
FSC®/ PEFC		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

ift ROSENHEIM · PfB Prüfzentrum für Bauelemente Dipl.-Ing. (FH) Rüdiger Müller · Deutsches Institut für Bautechnik DIBt · IBS · VKF AEAI