

Moralt Performance Door solutions

PRODUCT OVERVIEW 2021

INTERNAL DOOR BLANKS



	FireSmoke 44 mm 6 mm MDF face	FireSmoke 54 mm 6 mm MDF face	FireSmoke Xtreme 58 mm 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							
FD30	BS 476 Part 22	●	-	●	●	●	-
FD60	BS 476 Part 22	-	●	-	●	●	-
FD90	BS 476 Part 22	-	-	●	-	●	●
FD120	BS 476 Part 22	-	-	-	-	-	●
EI30	EN 1634-1	●	●	-	-	-	-
Acoustic value Rwp (non glazed)							
Single doors /double doors	32 /32 dB	35 /36 dB	37 /37 dB	40 /39 dB	40 /40 dB	43 /44 dB	44 /43 dB
+ clad-on acoustic panels (25 mm)		40 - 43 dB	41 - 43 dB	-	42 - 46 dB	44 - 46 dB	-
Interconnecting single doors	55 dB*	54 dB**	-	57 dB**	52 dB*	53 - 68 dB**	-
Service Life Testing (single/double doors)							
DD 171	Severe duty	Severe duty	-	-	-	-	-
EN 1191	500.000 cycles	500.000 cycles	-	-	-	500.000 cycles	-
EN 1192	Severe duty	Severe duty	-	-	-	-	-
PAS 24	BS EN 6375 Parts 1,2,3	●	-	-	-	-	-
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 performance	EN 1530	b, c 3	b, c 4	-	-	b, c 3	b, c 3
Fire rated door sizes [m²]	2,61 - 4,83	2,61 - 4,83	2,25	2,84 - 3,07	2,03 - 2,88	2,22 - 3,53	2,18
Fire rated glazing sizes [m²]	1,0 - 2,5	1,0 - 2,5	0,32	0,54	0,9	0,76 - 0,92	0,32

● available For more information please ask about our current Global Assessments/FoA

* in combination with FireSound 44/54/59 mm

** in combination with FireSound 59 mm

Any Questions?

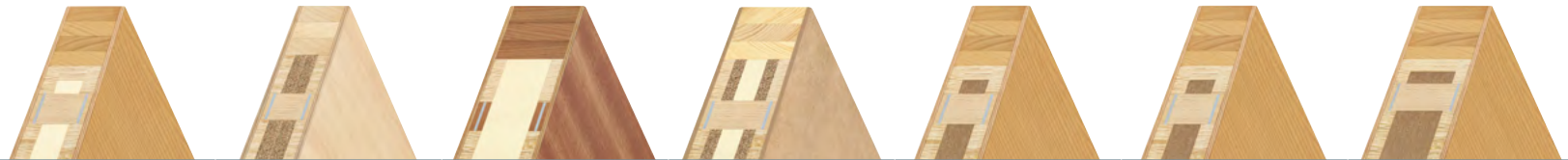
Moralt AG, Obere Tiefenbachstraße 1, 83734 Hausham

Phone: +49 8026 92538-11, E-Mail: info@moralt-ag.de, www.moralt-ag.com

Moralt Performance Door solutions

PRODUCT OVERVIEW 2021

EXTERNAL DOOR BLANKS



	FERRO KlassikPlus 68 - 98 mm	FERRO Akustik 68 - 98 mm	FERRO Passiv 98 mm	FERRO Passiv Akustik 98 mm	FERRO FireSafe 68 - 98 mm	FERRO FireSafe Akustik 68 - 98 mm	FERRO FireSafe Passiv 98 mm
Fire rating							
FD30	BS 476 Part 22	-	-	-	-	●	●
FD60	BS 476 Part 22	-	-	-	-	-	●
EI30	EN 1634-1	-	-	-	-	●	●
Acoustic value Rwp (non glazed)							
Single doors / double doors	30 dB	44 - 47 dB	30 dB	42 dB	31 dB	44 - 47 dB	31 dB
Service Life Testing (single/double doors)							
EN 1191	200.000 cycles	200.000 cycles	200.000 cycles	200.000 cycles	200.000 cycles	200.000 cycles	200.000 cycles
PAS 24	BS EN 6375 Parts 1,2,3	●	●	●	●	●	●
RC2 / RC3	EN 1627	●	●	●	●	●	●
Weight [Kg/blank]	62 - 78	94 - 108	70	108	70 - 98	88 - 121	80
U-value [W/m²K]	0,92 - 0,68	1,2 - 0,78	0,54	0,78	1,0 - 0,8	1,2 - 0,78	0,76
Climatic performance	EN 1530	c d e 4	c d e 4	c d e 4	c d e 4	c d e 4	c d e 4
Fire rated door sizes [m²]	-	-	-	-	3,08	3,08	3,08
Fire rated glazing sizes [m²]	-	-	-	-	1,5	1,5	1,5

● available For more information please ask about our current Global Assessments/FoA

Moralt FERRO external door blanks

Moralt's FERRO range is high quality, warp-resistant, thermal-insulating and security tested (PAS 24 and RC2/RC3 certified) external door blank. The FERRO patented flat steel stabilizer on the lock-side (Patent No. 19910026) is thermally isolated to prevent thermal bridges. It furthermore achieves the very highest values in all performance classes defined in EN 14351-1, CE Marking for external doorsets. Each door blank of the FERRO range is also available as a CNC processed door kit with accessories in compliance to EN 14351-1.

Moralt's Energy Saver – FERRO Passiv (98mm thick). The insulation professional (the blank's U-value is 0.58W/Km²) certification for low-energy and Passive houses. Moralt FERRO Passiv is also available as a passive house compliant door kit with accessories that enables compliance to EN14351-1, CE marking for external doors. On top this product is also available with FD30/FD60 or an acoustic performance of 42 dB as a single glazed/unglazed door.

Any Questions?

Moralt AG, Obere Tiefenbachstraße 1, 83734 Hausham
Phone: +49 8026 92538-11, E-Mail: info@moralt-ag.de, www.moralt-ag.com