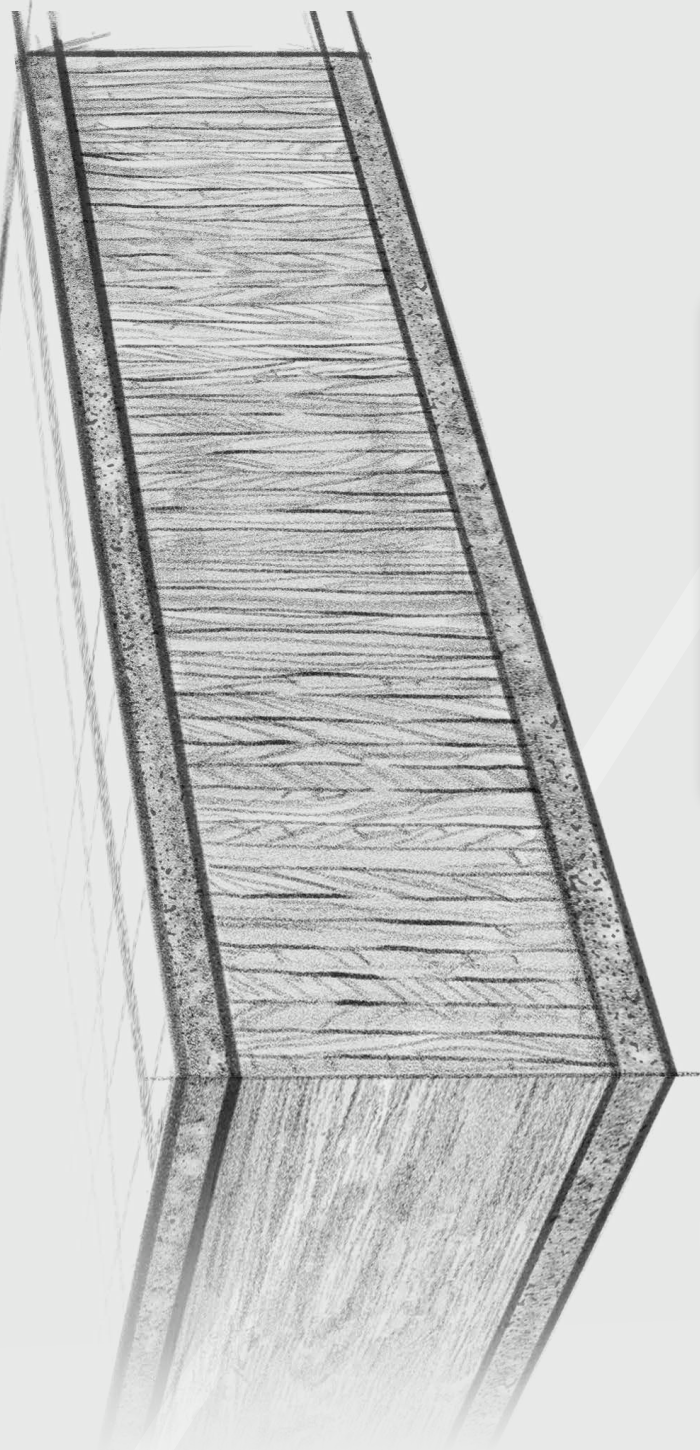




MORALT
the core of the door

FIRESMOKE



Fire
protection



Acoustic
insulation



Severe
duty



Smoke
protection



Climate
category



Security
tested



Made in Germany

www.moralt-ag.de

FireSmoke



FireSmoke Xtreme



- 1 Laminore
- 2 Chipboard / MDF
- 3 Non-combustible material
- 4 MDF / HDF

Technical details

SPECIFICATIONS		FIRESMOKE		XTREME
Thicknesses in mm		44	54	58
Tolerances	Thickness (sanded)	+2/-0.5 mm	+2/-0.5 mm	+2/-0.5 mm
	Length and width	+/-5 mm	+/-5 mm	+/-5 mm
	Perpendicularity	2 mm	2 mm	2 mm
	Straightness of edges	1.5 mm	1.5 mm	1.5 mm
Climatic performance EN 1121 : 2000-09		b, c	b, c	npd
Tolerance classes	EN 1530	3	4	npd
	EN 12219	2	3	npd

		44	54	XTREME
U-value (W/m²K)		1.9	1.71	2.2
Concealed hardware		-	✓	-
Access systems		-	Electronic locks/RFID	-
Formaldehyd emission	EN 16516	in progress		< 0.05 ppm (E0.5)
VOC emission		in progress		
NAUF Quality		on request	on request	on request
FSC®		✓	✓	✓
PEFC		on request	on request	on request
Environmental Declaration		✓	✓	✓

PERFORMANCE			44	54	XTREME
Reaction to fire EN 13501			class E	class E	npd
Fire rating BS 476 Part22	timber frame	Single door	FD30	FD30 / FD60	FD60 / FD90
		double door	FD30	FD30 / FD60	FD60/FD90
Fire rating UL10C	timber frame	single door	npd	npd	20/45/60
Third-party certification	IFCC		✓	✓	✓
	Q-Mark		✓	✓	-
	Intertek		-	-	✓
Acoustic performance Rw _p (dB)	Single door		32	35 / 37*	37 / 37 - 38*
	double door		32	36 / 37*	37 / 37 - 38*
	interconnecting doors		55**	54**	-
Burglar resistance	EN 1627		-	RC2 / RC3	npd
Mechanical strength	EN 1192		class 4	class 4	class 4

*glazed ** incombination with FireSound 44/54/59 mm

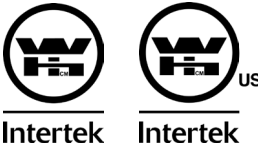
STORAGE

The door blanks must be stored carefully to prevent deformation of the door leaf. It is recommended to use several, equally sized, aligned squared timbers for storage.

PROCESSING

Moralt FireSmoke can be processed by woodworking machines.

Moralt AG is certified according to DIN EN ISO 9001:2015



Any questions?

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