

FERRO

KlassikPlus



5-ply
faces



Exterior grade
MDF faces



Flat steel
stabilizer



PU hard
foam core



Laminated
core



Robust
construction



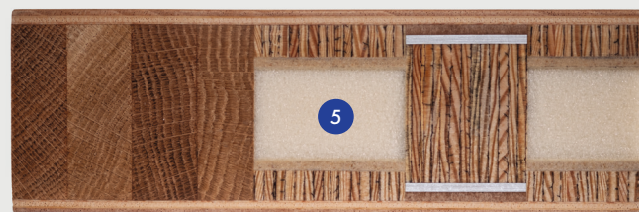
Made in Germany

www.moralt-ag.de

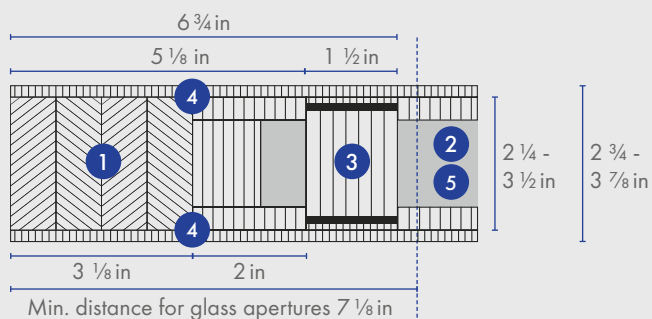


FERRO KlassikPlus

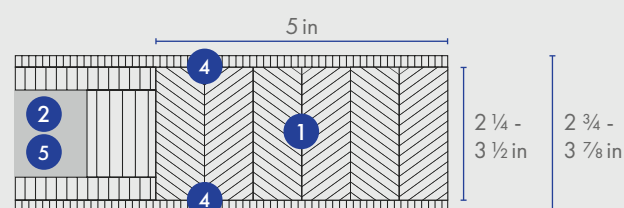
FERRO KlassikPlus Akustik



Cross-section lock-side



Cross-section hinge-side



1 Framing / stiles & rails

2 Sandwich system with PU hard foam

3 Flat steel stabilizer

4 Facing

5 Sandwich system with PU hard foam and sound insulation insert

Technical details

FRAME

1 Timber framing	Timber framing finger-jointed and laminated.		
Frieze, trim, glass aperture		Thickness of door blank 2 3/4 / 3 1/8 / 3 1/2 / 3 7/8	
		Frame width in inch	Can be trimmed by
	Top	5	3*
	Side	lock-side 3 1/8 / hinge-side 5	lock-side 1* / hinge side 3*
	Bottom	5	3 3/8*
Minimum distance for glass apertures is 7 1/8 in on all four sides. The frame width corresponds to the shortening dimension. When trimmed by a maximum at the bottom (3 3/8 in) a single rebate (max. 3/4 in) or fitting of drop down seal is possible.			

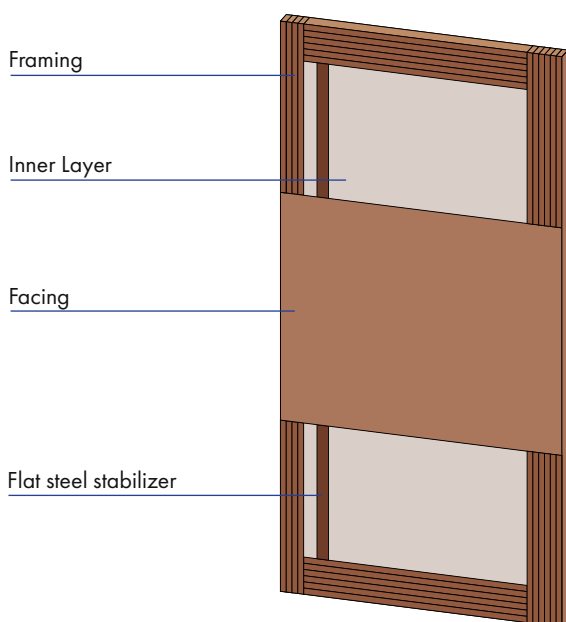
INNER LAYER

2 Construction	- Sandwich construction of laminated core and HCFC-free and environmentally compatible PU hard foam - Surface stability through vertically aligned annual rings
Bonding	Free of formaldehyde
3 Flat steel stabilizer	Lock-side flat steel stabilizer – thermally separated and sound insulated – to absorb tractive and shearing forces. Stabilizers are glued and friction-locked with the framework.
4 FACING	
Bonding	Veneer plywood AW bonding according to DIN 68705-2, 5 layers (noble veneer), 3 layer (cross veneer) = individually veneerable, MDF/HDF exterior = paintable or veneerable, full-surface bonding with the overall construction, min. stress group D4 according to DIN EN 204/205 and DIN EN 14257 (WATT 91)

EXTERNAL DOOR BLANK

Model/finish	Trimmed edges and sanded surfaces
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* with a max. rebate of 1 1/4 in



Product Range

Thickness in inch	2 3/4 / 3 1/8 / 3 1/2 / 3 7/8
Thickness in inch cross-veneered RV	2 5/8 / 3 / 3 3/8 / 3 3/4

Height in inch	default	can be cut to
	83 1/8	76 3/4
	88 1/4	81 7/8
	93 3/8	87
	97 1/4	91
	102 3/8	96 1/8

Maximum height of 117 3/8 in available on request.

Width in inch	default	can be cut to
	37 3/8	33 1/2
	41 3/8	37 3/8
	45 1/4	41 3/8
	48 3/8	44 1/2
	49 1/4 **	45 1/4

Face types

Veneer plywood: 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.
Or: MDF/HDF-exterior**, HPL/CPL laminate

Framing / stiles & rails

Oak, Larch, Conifer wood, Redwood

*cross-grain also available **Only MDF-Exterior possible up to a width of 49 1/4 in
Further dimensions, sizes and facings on request.

SV=sliced veneer

FL=Fineline

RV=rotary cut veneer

Certification

Height in inch		up to 102 ¾		Maximum door leaf size: 34 ½ ft²	
Width in inch		up to 49 ¼			
Thickness in inch		2 ¾	3 ⅛	3 ½	3 ⅞
Climatic performance DIN EN 1121 : 2000-09		test climate c, d, e			
Tolerance classes	EN 1530	4			
	EN 12219	3			
Thermal transfer coefficient U-value (W/m²K) DIN EN ISO 10077-2:2012-06		0.95	0.84	0.73	0.65
Acoustic performance DIN EN ISO 717-1 R _{wp} (dB) / STC		30 / 38			
Burglar resistance DIN EN 1627 : 2011-09		RC2 / RC3*			
Weight 88 ¼ × 41 ⅜ in lb/piece		137	154	159	172

* tested & valid to H 97 1/4 in

CNC-processing service

All types may be delivered CNC processed.



Any questions?

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