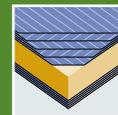




**FERRO Klima**

THE CLIMATE-PROTECTIVE  
FOR A HEALTHY ENVIRONMENT.



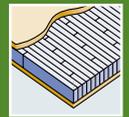
5-ply faces



Exterior grade  
MDF faces



Flat steel  
stabilizer



Laminated  
core



Robust  
construction



Ecological  
solid timber  
insulation



# TECHNICAL DETAILS

<b>1/8 DOOR FRAME</b>		
<b>1 Framing/Timber</b>	Finger-jointed and laminated timber framing.	
<b>8 Flat steel stabilizer</b>	Lock-side patented flat steel stabilizer – thermally separated and sound insulated – to absorb tractive and shearing forces. Flat iron straps are glued and friction-locked with the framework.	
<b>Frame width/Options to shorten/Glass apertures</b>	Thickness of door blank 68/78 mm	
	Frame width in mm	can be trimmed by
	Top	127 / 75*
	Side	lock-side 80/hinge-side 127 / lock-side 25*/hinge-side 75*
	Bottom	127 / 85*
Minimum distance for glass apertures on all 4 sides: 180 mm. The frame width corresponds to the shortening dimension. Whenn trimmed by a maximum at the bottom (85 mm), a single rebate (max. 18 mm) and/or fitting of drop down seal is possible.		
<b>2 INNER LAYER</b>		
<b>Construction</b>	Quality-proven with long-term experience – Sandwich construction of laminated core (pine) and ecological solid timber insulation – Well surface stability through vertically aligned annual rings	
<b>Bonding</b>	Free of formaldehyde	
<b>3-7 COVER BOARD</b>		
<b>Bonding</b>	AW bonding according to DIN 68705 T2 – 5 layers (noble veneer, longitudinal) – 3 layers (cross grained veneer) = can be veneered individually Full-surface bonding with the overall construction	
<b>EXTERNAL DOOR BLANK</b>		
<b>Model/finish</b>	Cut and sanded	

\* with a max. rebate of 30 mm.

## EXAMINATIONS AND TESTS

<b>LENGTH IN MM</b>	2,110/2,240/2,470
<b>WIDTH IN MM</b>	950/1,050/1,150
<b>THICKNESS IN MM</b>	68 (66*) / 78 (76*)
<b>DIFFERENT CLIMATE TESTING</b>	
DIN EN 1121 : 2000-09	test climate „c“
DIN EN 1121 : 2000-09	test climate „d“
DIN EN 1121 : 2000-09	test climate „e“
<b>TOLERANCE CLASSES (by using three hinges)</b>	
DIN EN 12219 : 2000-6	3
<b>THERMAL TRANSFER COEFFICIENT</b>	
U-value (W/m²K) according to EnEV	1.04/0.95
<b>SOUND INSULATION</b>	
DIN EN ISO 717-1 R <sub>w</sub> ,[dB]	32-37
<b>BURGLAR-RESISTANCE</b>	
DIN ENV 1627 : 1999-04	RC2/RC3
<b>WEIGHT: 2,240 X 1,050 MM KG/PIECE</b>	65/74

\* cross veneered



## PRODUCT RANGE

FERRO KLIMA – 68 MM / 78 MM							
Length in mm	2,110 (1,950*)		2,240 (2,080*)			2,470 (2,310*)	
Width in mm	950	1,050	950	1,050	1,150	1,050	1,150
Mahogany	▲	▲	▲	▲	▲	■	■
Okoume	▲	▲	▲	▲	▲	■	■
Meranti	▲	▲	▲	▲	▲	■	■
Oak	▲	▲	▲	▲	▲	■	■
Pine	▲	▲	▲	▲	▲	■	■
Spruce	▲	▲	▲	▲	▲	■	■
Larch	▲	▲	▲	▲	▲	■	■
Paint-grade	▲	▲	▲	▲	▲	■	■
MDF exterior	▲	▲	▲	▲	▲	■	■
FERRO KLIMA – 66 MM / 76 MM							
Length in mm	2,110 (1,950*)		2,240 (2,080*)			2,470 (2,310*)	
Width in mm	950	1,050	950	1,050	1,150	1,050	1,150
Cross grained PV	▲	▲	▲	▲	▲	■	■

\* minimal dimension ■ order-based production ▲ available in 5 working days PV = peeled veneer face

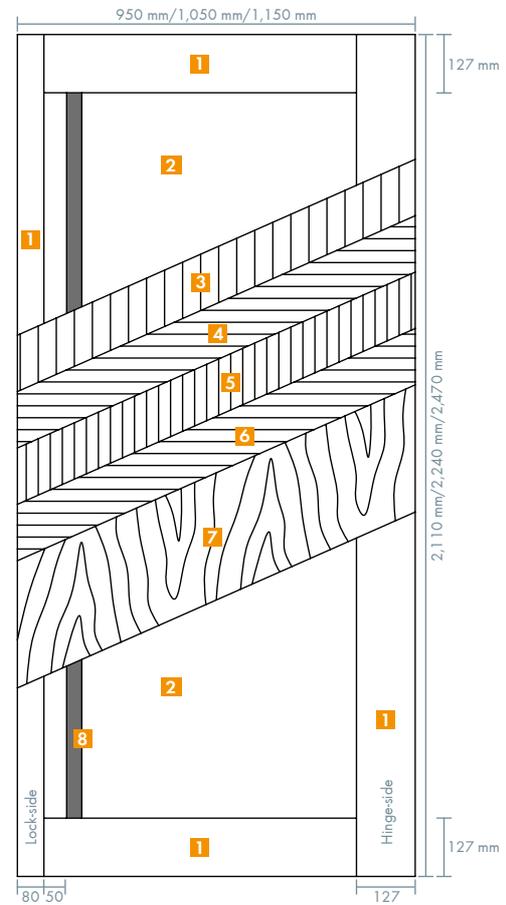
All veneer surfaces = cut veneer or fine-line

Further dimensions, sizes and facings on request.

<b>Any Questions?</b> Info-Hotline: +49 8041 508-112 <a href="http://www.moralt-ag.com">www.moralt-ag.com</a>
Moralt AG, Lenggrieser Straße 52, 83646 Bad Tölz, Telefon: +49 8041 508-0, Telefax: +49 8041 508-218, E-Mail: <a href="mailto:vertrieb@moralt-ag.de">vertrieb@moralt-ag.de</a>

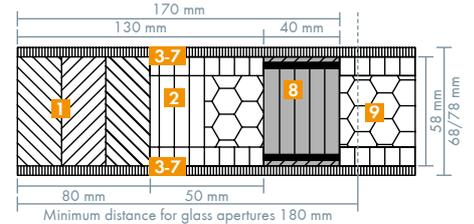
This information is according to the present state of knowledge and does not represent an assurance of properties. Existing laws and regulations are to be followed by the recipient of our products at his own responsibility. All information refers solely to products by Moralt AG.

## FERRO Klima

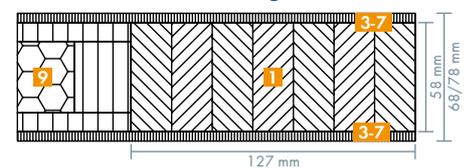


- 1** Solid timber frame
- 2** Laminated core layer
- 3-7** Cover board
- 8** Flat steel stabilizer
- 9** Heat-insulating light-weight wood

### Cross-section view lock-side



### Cross-section view hinge-side



### CNC-processing service

CNC processing on request.

### Despatch of single cargo

Direct delivery of a single piece to the manufacturer is possible.

