



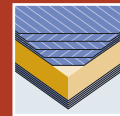
**MORALT**  
the core of the door

## FERRO Akustik

# THE NOISE ABSORBER FOR HEAVENLY SILENCE.



New  
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sizes



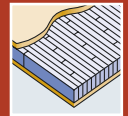
5-ply faces



Exterior grade  
MDF faces



Flat steel  
stabilizer



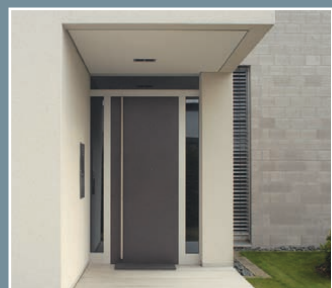
Laminated  
core



Robust  
construction



Acoustic  
insulation



Reliable and safe door solutions  
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# TECHNICAL DETAILS

1/8 DOOR FRAME			
<b>1 Framing/timber</b>	Finger-jointed and laminated timber framing.		
<b>8 Flat steel stabilizer</b>	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.		
<b>Frame width/Options to shorten/Glass apertures</b>	Thickness of door blank 68 - 98 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 entrance width corresponds to the shortening dimension. When cut to minimum length at the bottom (85 mm/SSK4 10 mm), a single rebate (max. 18 mm) or fitting of drop down seal is possible.			
2 INNER LAYER			
<b>Construction</b>	- Sandwich construction of laminated core (spruce) including sound insulation - Surface stability through vertically aligned annual rings		
<b>Bonding</b>	Free of formaldehyde		
3-7 COVER BOARD			
<b>Bonding</b>	AW bonding according to DIN 68705 -2 - 5 layers (noble veneer, longitudinal) - 3 layers (cross grained veneer) = can be veneered individually Full-surface bonding with the overall construction		
EXTERNAL DOOR BLANK			
<b>Model/finish</b>	Cut and sanded		
<b>Processing information</b>	The sound insulation can be processed with woodworking machinery.		

\* with a max. rebate of 30 mm

## CERTIFICATION

<b>LENGTH IN MM</b>	upto 2,600			
<b>WIDTH IN MM</b>	upto 1,230			
<b>THICKNESS IN MM</b>	68	78	88	98
<b>DIFFERENT CLIMATE TESTING</b>	test climate c, d, e			
DIN EN 1121 : 2000-09	test climate c, d, e			
<b>TOLERANCE CLASSES (by using three hinges)</b>	3*			
DIN EN 12219 : 2000- 6	3*			
<b>THERMAL TRANSFER COEFFICIENT</b>				
U-value (W/m²K) DIN EN ISO 10077-2 : 2012-06	1,2	1,0	0,85	0,78
<b>SOUND INSULATION</b>				
DIN EN ISO 717-1 R <sub>w</sub> ,(dB)	42-44	42-44	42-47	42-44
<b>BURGLAR-RESISTANCE</b>	RC2/RC3*			
DIN EN 1627 : 2011-09	RC2/RC3*			
<b>WEIGHT: 2,240 X 1,050 MM KG/PIECE</b>	94	98	104	108

\* certified upto height 2,470 mm



## PRODUCT RANGE

FERRO AKUSTIK – 68 MM / 78 MM / 88 MM / 98 MM										
Length in mm	2,110 (1,950*)		2,240 (2,080*)		2,370 (2,210*)		2,470 (2,310*)		2,600 (2,440*)	
Width in mm	950	1,050	950	1,050	1,150	1,230	950	1,050	1,150	1,230
Mahogany	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Okoumé/Gabun	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Meranti	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Oak	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Knotty oak	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Knotty oak 3.5 mm**	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Rustic knotty oak	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Pine	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Spruce	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Larch	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Knotty larch	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
White fir	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Paint-grade	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
MDF Exterior	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
CPL	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
FERRO AKUSTIK – 66 MM / 76 MM / 86 MM / 96 MM										
Length in mm	2,110 (1,950*)		2,240 (2,080*)		2,370 (2,210*)		2,470 (2,310*)		2,600 (2,440*)	
Width in mm	950	1,050	950	1,050	1,150	1,230	950	1,050	1,150	1,230
Cross grained PV	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

\* minimal dimension \*\* cross-grain ▲ available in 5 working days PV = peeled veneer face

All veneer surfaces = cut veneer or fine-line

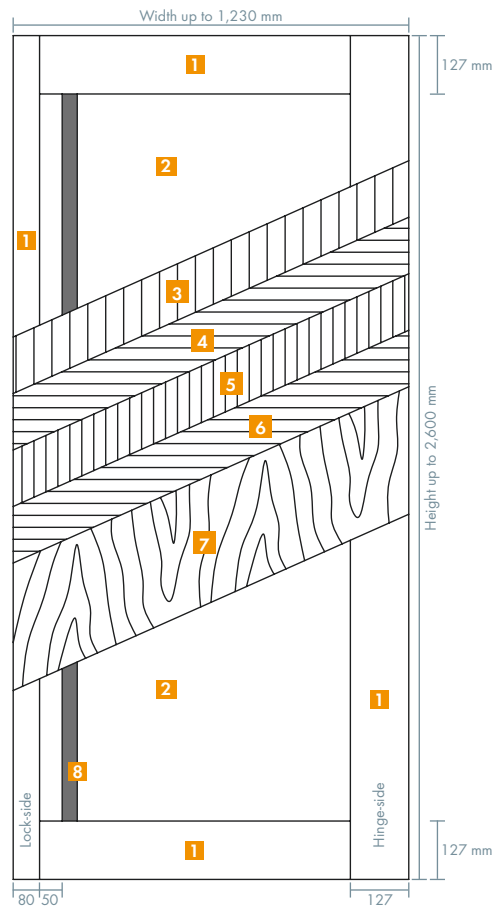
Further dimensions, sizes and facings on request.



**Any Questions?** Info-Hotline: +49 8026 92538-11 [www.moralt-ag.com](http://www.moralt-ag.com)  
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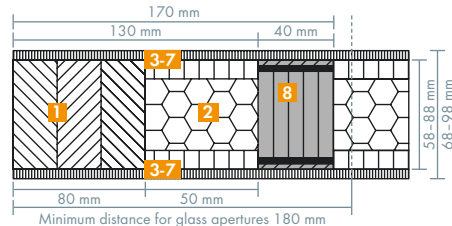
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## FERRO Akustik

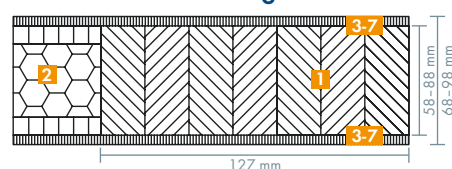


- 1** Framing/timber
- 2** Sandwich system with high heat insulation
- 3-7** Cover board
- 8** Flat steel stabilizer

### Cross-section view lock-side



### Cross-section view hinge-side



### Despatch of single cargo

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

### CNC-processing service

All types may be delivered CNC processed.