



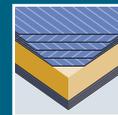
MORALT
the core of the door

ALU Comfort

THE BASIC FOR STANDARD DOOR CONSTRUCTIONS.



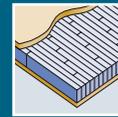
New
decors and
sizes



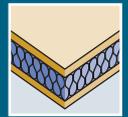
5-ply faces



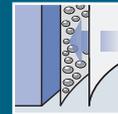
MDF faces



Laminated
core



PU hard
foam core



ALU moisture
barrier



Reliable and safe door solutions
www.moralt-ag.com

TECHNICAL DETAILS

1/8 DOOR FRAME		
1 Framing/timber	Pine or red-wood timber framing finger-jointed and laminated. Further wood type frames on request.	
8 Stabilizer	LVL-stabilizer to absorb bending forces.	
Frame width/ Minimal length/Glass apertures	Thickness of door blank 68/78 mm	
	Frame width in mm	can be trimmed by
	Top	127 75*
	Side	127 75*
Bottom	225 180	
Minimum distance for glass apertures is 180 mm on all four sides. The door width corresponds to the shortening dimension. When cut to minimum length at the bottom (180 mm), a single rebate (max. 18 mm) or fitting of dropdown seal is possible.		
2 INNER LAYER		
Construction	Quality-proven with long-term experience - Sandwich construction of laminated core (spruce) and HCFC-free and environmentally compatible PU hard foam - Surface stability through vertically aligned annual rings	
Bonding	Free of formaldehyde	
3-7 COVER BOARD		
Bonding	AW bonding according to DIN 68705 -2 - 5 layers (noble veneer, longitudinal) Full-surface bonding with the overall construction	
EXTERNAL DOOR BLANK		
Model/Finish	Cut and sanded	

* depends on rebate system and lock body

CERTIFICATION

LENGTH IN MM	2,110/2,240
WIDTH IN MM	950/1,050/1,150
THICKNESS IN MM	68/78
DIFFERENT CLIMATE TESTING	
DIN EN 1121 : 2000-09	test climate „c“
DIN EN 1121 : 2000-09	test climate „d“
DIN EN 1121 : 2000-09	test climate „e“
TOLERANCE CLASSES (by using three hinges)	
DIN EN 12219 : 2000- 6	3*/3
THERMAL TRANSFER COEFFICIENT	
U-value (W/m²K) DIN EN ISO 10077-2 : 2012-06	0.99**/0.91**
SOUND INSULATION	
DIN EN ISO 717-1 R _w (dB)	30
WEIGHT: 2,240 X 1,050 MM KG/PIECE	70/78

* classified up to 2,260 mm height on lock side

** when cut to minimal length, the U-value improves to 0.83/0.78 W/m²K



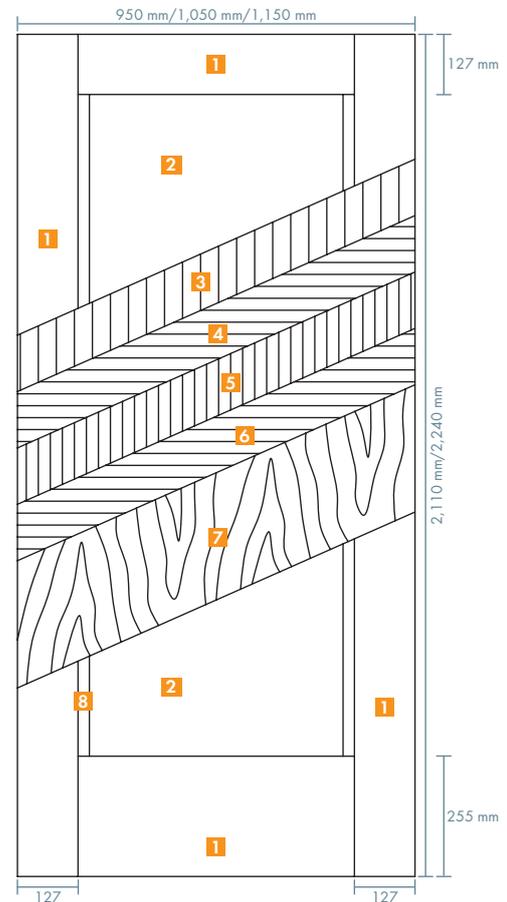
PRODUCT RANGE

ALU COMFORT – 68 MM / 78 MM					
Length in mm	2,110 (1,855*)		2,240 (1,985*)		
Width in mm	950	1,050	950	1,050	1,150
Paint-grade	■	■	■	■	■
MDF Exterior	■	■	■	■	■

* minimal dimension ■ order-based production

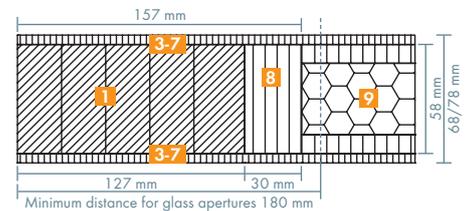
All veneer surfaces = cut veneer or fine-line

ALU Comfort



- 1** Timber framing
- 2** Inner layer core in sandwich system /PU
- 3-7** Cover board
- 8** LVL-stabilizer
- 9** PU hard foam

Cross-section view ALU Comfort



CNC- processing service

All types may be delivered CNC processed.

Profi-Net timber distributor



Further dimensions, sizes and facings on request.

Any Questions? Info-Hotline: +49 8026 92538-11 www.moralt-ag.com
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