

FrontDoor ALU Comfort

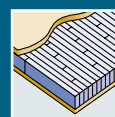
THE BASIC FOR STANDARD DOOR CONSTRUCTIONS.



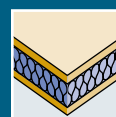
5-ply faces



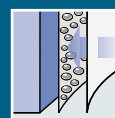
MDF faces



Laminated
core



PU hard
foam core



ALU moisture
barrier



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.		
Entrance width/ Minimal length/Glass apertures	Thickness of door blank 68/78 mm		
	Entrance width in mm		
	Minimal length in mm		
	Top	160	100*
	Side	160	100*
Bottom	320	250	
Minimum distance for glass apertures is 200 mm on all four sides. The door width corresponds to the shortening dimension. When cut to minimum length at the bottom (250 mm), a single rebate (max. 18 mm) and/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 - Well surface stability through vertically aligned annual rings		
Bonding	Free of formaldehyde		
3-7 COVER BOARD			
Bonding	AW bonding according to DIN 68705 T2 temperature resistant up to 130° - 5 layers (noble veneer, longitudinal) - 3 layers (cross grained veneer) = can be veneered individually Full-surface bonding with the overall construction		
EXTERNAL DOOR BLANK			
Model/Finish	Cut and sanded		

* depends on rebate system and lock body

EXAMINATIONS AND TESTS

LENGTH IN MM	2,150/2,240/2,470
WIDTH IN MM	950/1,050/1,150
THICKNESS IN MM	68 (66 *) / 78 (76 *)
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) according to EnEV	1.03 ** / 0.95 ***
SOUND INSULATION	
DIN EN ISO 717-1 Rw,(dB)	30-37
WEIGHT: 2,240 X 1,050 MM KG/PIECE	70/78

* cross grain veneer face

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

*** when cut to minimal length, the U-value improves to 0.85/0.8 W/m²K



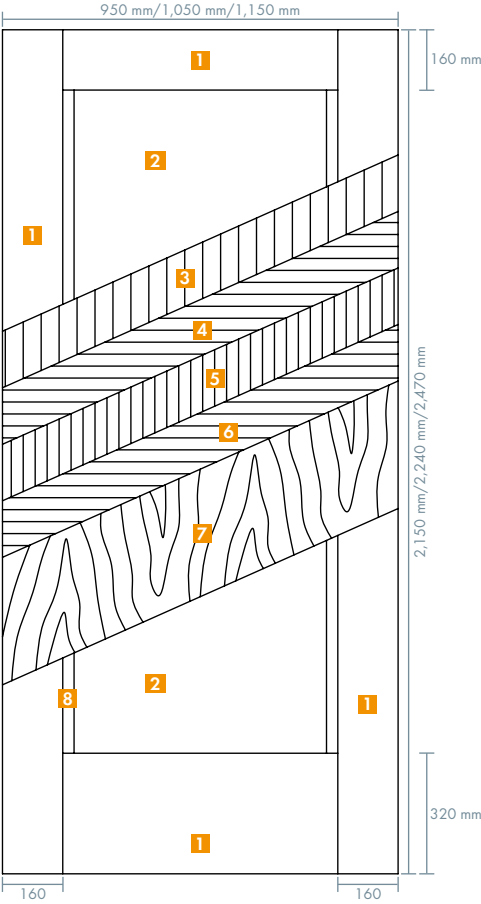
PRODUCT RANGE

FRONTDOOR ALU COMFORT – 68 MM / 78 MM							
Length in mm	2,150 (1,800*)		2,240 (1,890*)			2,470 (2,120*)	
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	○	○	■	○	■	■	■
FRONTDOOR ALU COMFORT – 66 MM / 76 MM							
Length in mm	2,150 (1,800*)		2,240 (1,890*)			2,470 (2,120*)	
Width in mm	1,050	1,150	950	1,050	1,150	1,050	1,150
Cross grained PV	■	■	■	■	■	■	■

* minimal dimension ■ order-based production ○ stockholding in 68 mm PV = peeled veneer face

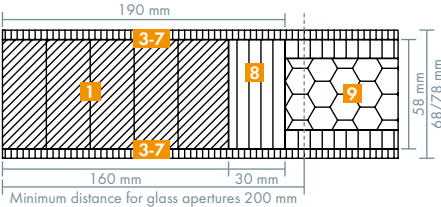
All veneer surfaces = cut veneer or fine-line

FrontDoor 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
FrontDoor ALU Comfort



CNC- processing service

All types may be delivered CNC processed.

Further dimensions, sizes and facings on request.



Any Questions? Info-Hotline: +49 8026 92538-11 www.moralt-ag.com
Moralt AG, Obere Tiefenbachstraße 1, 83734 Hausham, Phone: +49 8026 92538-0, Fax: +49 8026 92538-40, E-mail: info@moralt-ag.de

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.

Profi-Net timber distributor