INTERNAL AND EXTERNAL DOORS



Step in!

VILJANDI
windows · doors

Painted internal flush doors

Internal flush doors are commonly used doors that are suitable with different interiors. Interior doors are an important aspect of any room and can at the same time have various additional practical functions like fire, sound and water resistance. Painted flush doors are the most common internal door type. A flush door is a simple and classic, even-surfaced door, whereas a moulded door has a pattern pressed into the door surface. We produce single-leaf and double-leaf doors. Interior glazed doors have different glass separation and glass type possibilities. Internal door frames are made of high quality pine wood.

A standard flush door has the 2014 lock and the 6540 KS JVA hinges.

When required, the door set will include an oak threshold. The main door finishing is painted, veneered doors are stained, oiled or lacquered.

- **Internal doors with higher water resistance** are produced as flush or moulded doors, and also with glazing. An internal door with higher water resistance is suitable for use as domestic bathroom door.
- **Strengthened internal doors** are meant to be used in places with intensive door usage. This type of doors are heavier and more durable. Strengthened internal doors are suitable for use in public buildings such as offices, hospitals, schools.
- **Water resistant internal doors** are used in heated working and living rooms. The door surface is covered with high pressure laminate and door leaf edges are made of birch, ash or oak. The door can withstand short term water flow and usage in high relative humidity conditions, after which the room must be intensively ventilated in order for the humidity to drop to the normal level again. A water resistant internal door is suitable in continuously used bathrooms, public laundry rooms, swimming pools.


Internal flush door


Flush door 1R


Flush door G21


Flush door
with side panel


Flush door
with side panel
1R+1R


Flush door
with side panel
G21

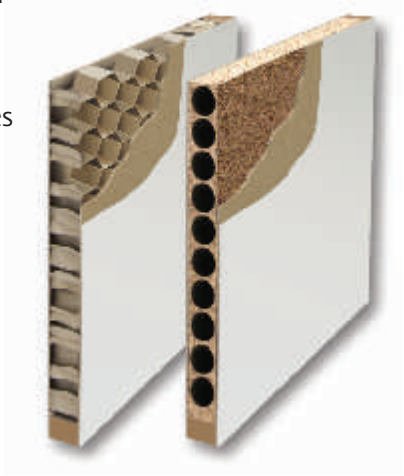

Double-leaf
flush door


Double-leaf flush door
1R+1R


Double-leaf flush door
G21

Structure

Non-rebated door leaf with thickness of 40 mm. Hollow core door leaves are constructed with a MDF frame on its edges and a cardboard honeycomb filling in light doors or chipboard in massive doors, covered up with 3 mm fibreboard on the front and back.
Vertical edges covered with PVC edge band.






Flush door 6R


Flush door 6RK


Flush door G01


Flush doors G03


Flush door 10R


Flush door 10RK


Flush door with side panel 6R+3R


Flush door with side panel 6RK+3RK


Flush door with side panel G01


Flush door with side panel G03


Flush door with side panel 10R+5R


Flush door with side panel 10RK+5RK


Double-leaf flush door 6R+6R


Double-leaf flush door 6RK+6RK


Double-leaf flush door G01


Double-leaf flush door G03


Double-leaf flush door 10R+10R


Double-leaf flush door 10RK+10RK

Painted moulded internal doors





Harald



Harald 6RK



Harald 1RK



Christian



Christian 8R



Christian 1R



Stefan



Stefan 6R



Stefan 1R

Structure

Non-rebated door leaf with thickness of 40 mm. Hollow core door leaves are constructed with a MDF frame on its edges and a cardboard honeycomb filling in light doors or chipboard in massive doors, covered up with 3 mm fibreboard on the front and back.
Vertical edges covered with PVC edge band.







Harald 1RK
with side panel



Harald double-leaf



Harald 6RK+6RK



Christian double-leaf



Christian 1R+1R



Christian 8R+8R



Stefan with side panel



Stefan 1R+1R



Stefan double-leaf



Stefan 6R+6R

Veneered internal doors

Veneered internal doors are made using either vertical or horizontal veneers.
We offer a wide range of different natural wooden or artificial timber species.
Please note that all timber veneers often show some discoloration, knots and other features, since in the nature every tree trunk has a different coloration and grain.
The finishing options are either stained, oiled or lacquered.

Glass and veneer examples



Clear



Frostat



Cotzwold



Oak veneered internal door



Teak



White ash, rift cut



White oak, rift cut



Birch, rotary cut

Special doors

Fire resistant doors EI30, EI30/Rw=39dB, EI30/Rw=42dB and EI60 meet all fire safety requirements.
The fire resistant doors are made of wooden frames covered with panels; the inside cavity is filled with non-combustible or slow-burning insulation materials and the finishing of the surfaces meets the interior design requirements. The fire resistant doors are meant for closing the openings between fire resistant sections of any rooms, whereas the difference between the temperatures of the these rooms must not exceed 5°C. The lock cases and hinges are fire tested and keep the door leaf closed and tight in case of fire. The cavity between the frame and the door leaf is filled with expanding intumescent seal. The fire resistant doors meeting all requirements have been marked with a label fixed on the door leaf and on the frame.
Fire resistant doors can be painted or covered with veneer or with high pressure laminate.

Full glass sauna doors are meant for use in steam rooms, but can be also used in other internal rooms (except in high steam Turkish baths). The door glass is thermally tempered and has higher resistance against mechanical damages and temperature fluctuations. Sauna door frames are made of specially selected pine wood and without any surface finishing, so that the customer could choose the finishing according the interior of the sauna room.





Fire resistant door FD18, cut view



Fire resistant door FD18



Full glass sauna door (bronze)

External doors

External doors, both the ones opening to the inside and to the outside are made using special technology and can withstand the temperature fluctuations characteristic of the Northern climate. The door set consists of door leaf, frame, threshold, hinges and lock case. We produce veneered (teak) as well as painted, glazed and non-glazed external doors in different sizes. With teak veneered exterior doors, the door leaf will be moulded with pattern on covered with veneered decorative panels. Glazed doors have double glazing units. The doors are durable and thermostable due to the water-resistant polystyrene board and the shape perfection will be guaranteed by the aluminium sheets in the structure. Heat insulation of external doors without glass opening is 0,77 W/m²K and with glass opening 0,9 -1,0 W/m²K. The threshold is made of oak wood and protected with an aluminium slat. For doors without glass, the thermal resistance is U=0.77 W/m²K and for doors with glass, it is U=1.0 W/m²K.
We produce external doors with one (T1) or two (T2) seals. One-seal external doors are especially suitable for houses with a storm porch and two-seal external doors for houses without a storm porch. Our external doors come in standard sizes of 890 x 1988/2088 mm or 990 x 1988/2088 mm. It is possible to order double-leaf doors and doors with a side panel.

- In addition we produce **side- and overlights** suitable for external conditions to be installed to the side or above the external door. Non-opening glass panels can be combined with opaque parts.
- The **Thermo exterior door** is a more heat-resistant and energy-efficient option. The door leaf is thicker and the glass is triple-glazed. For doors without glass, the thermal resistance is U=0.68 W/m²K and for doors with glass, it is U=0,78 W/m²K.
- For especially complicated weather conditons we offer **laminated external doors** with higher weather resistance.
- We produce certificated **fire resistant external doors** and **sidelights** with fire resistance ratings of EI30 and Ei60.

Colour code

RAL 5023

RAL 3011

RAL 6003

RAL 7040

RAL 7016

RR 32

NB, the colors of the print image may differ from the actual tones.



Sille



Alexia



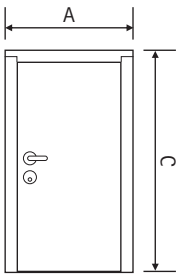
Alexia 6R



Dulcia

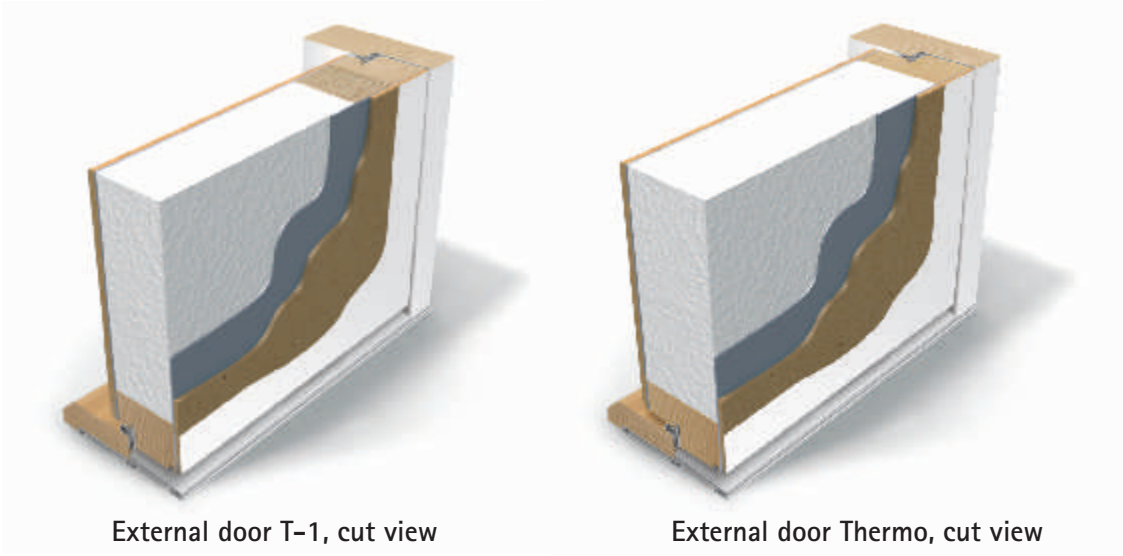
Standard sizes

Opening sizes	External frame sizes A x C
9x20	890x1988
9x21	890x2088
10x20	990x1988
10x21	990x2088





Structure



External door T-1, cut view

External door Thermo, cut view



Gracia



Gracia 6R



Helle 1R M14



Helle 1R M16

Painted external doors



Gloria



Melania 4R



Liina 3x1R
NCS S 9000N

Nora 1R



Lucia 3x1R



Cintia



Ene 4R



Andre 7R
NCS S 4502-G



Linda



Maria 1R



Ragne 4x1R



Maia 4R
RAL 6003



Rebeca 1R



Cristine 4RK



Lotta 2x4R



Liset 4R
RAL 5023


Anu 2x1R


Cecilia 1R


Tiina 1R


Störö 1R
RAL 7040


Carina 3x1R


Cecilia K1R


Delia13R


Eliise


Karin 3x1R


Gaily 3x1R


Kaia 5x1R


Eia 1R
RAL 7016



Lydia 2x1R



Nötö 6x1R



Emilia 2x1R



Emilia 4x1R
RAL 5023



Andre 7R



Fantasia



Victoria 4x1R



Victoria 4RK
RAL 7037



Ingrid



Inna 1R



Karmen



Elisabeth 1R
RAL 3011





Lilja 5R+5R



Utö 1R laiendiga



Utö 1R

Brändö 4x1R+4x1R



Brändö 4x1R
RST jalaplekiga



Viola



Florencia



Siret 9x1R
RAL 3011



Ines



Marta 6R



Emily



Tiia 1R
RAL 7016



Virginia 6RK



Miia



Stefania 9R



Väino 1R
RAL 6003



Paula 3x1R



Riina



Teele



Piret 3x1R



Brigita



Hanna 2x1R



Ester



Heelia 1R



Luise



Heidi



Kaisa



Kaisa 6R

Teak veneered external doors


Brändö 4R


Virginia 6RK


Gracia 6R


Gracia 6R (milled)


Lydia


Cecilia 1R


Lydia 2x1R


Lydia 2x1R (milled)


Dulcia


Sofia 6R

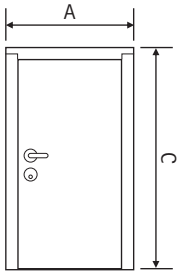

Victoria

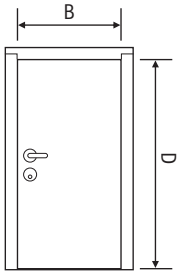

Victoria 4RK

Technical data

Standard sizes for internal doors

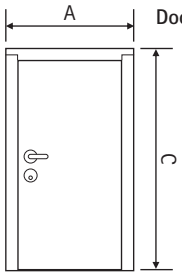
Door opening sizes dm	Door frame sizes mm A x C	Door leaf sizes mm B x D
7x20/21	690x1990/2090	625x1940/2040
8x20/21	790x1990/2090	725x1940/2040
9x20/21	890x1990/2090	825x1940/2040
10x20/21	990x1990/2090	925x1940/2040
12,0x20/21	1190x1990/2090	725+398x1940/2040
13,0x20/21	1290x1990/2090	825+398x1940/2040
14,0 x 20/21	1390x1990/2090	925+398x1940/2040
13,3x20/21	1317x1990/2090	625+625x1940/2040
15,3x20/21	1517x1990/2090	725+725x1940/2040
17,3x20/21	1717x1990/2090	825+825x1940/2040
19,3x20/21	1917x1990/2090	925+925x1940/2040

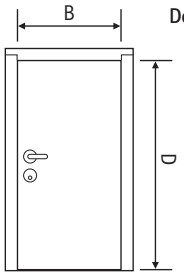




Standard sizes for external doors

Door opening sizes dm	Door frame sizes mm A x C	Door leaf sizes mm B x D
9x20	890x1988	825x1940
9x21	890x2088	825x2040
10x20	990x1988	925x1940
10x21	990x2088	925x2040





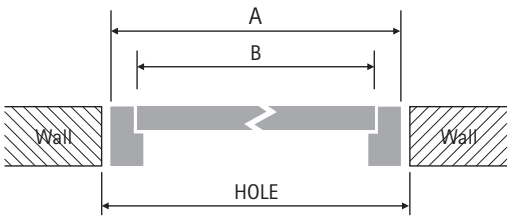
Technical data

	Flush and moulded internal door	Veneered internal door	Strengthened internal door	Internal door with higher water resistance	Water resistant internal door	Sauna door	Sound and fire resistant door	Standard external door
Door leaf	Door leaf with thickness of 40 mm, door skin 3 mm fibreboard	Door leaf with thickness of 40 mm, door skin 3 mm fibreboard, veneered	Door leaf with thickness of 40 mm, door skin 6 mm fibreboard	Door leaf with thickness of 40 mm, door skin 3 mm fibreboard	Door leaf with thickness of 40 mm, door skin 3 mm fibreboard	Full glass	According to door type	Rebated door leaf with thickness of 62 mm
Door frame	Pine 42 x 92 mm, painted	Veneered or stained pine wood 42 x 92 mm	Painted, veneered or stained pine wood 42 x 92 mm	Painted, veneered or stained pine wood 42 x 92 mm	Painted, pine wood 42 x 92 mm	Pine wood 42 x 92 mm	Painted, veneered or stained pine wood 42 x 92 mm	Pine wood T-1 42x105 mm, T-2 54x105 mm
Threshold	Oak, lacquered	Oak, lacquered	Oak, lacquered	Oak, lacquered	Oak, lacquered		Oak, lacquered	Oak, lacquered
Lock case	2014	2014	According to order	According to order	According to order	Roll lock 4238	Abloy, ASSA	Abloy, ASSA or analog
Hinges	6540	6540	6540	6540	6540	glassdoor hinge	Abloy 3248	3248-110TMKS T-1 110x36KSS T-2
Glass	4 mm glass, clear or decorative	4 mm glass, clear or decorative	4-7 mm glass, clear or decorative	4 mm glass, clear or decorative		8 mm tempered***		Double glazing unit with spectrally selective (or lower emittance) or decorative glass
Finishing	White paint NCS S 0502-Y	Veneered (oak, teak, birch) + (stain) + lacquer or oil	White or special paint*. Veneered (oak, teak, birch)+(stain) + lacquer or oil. Laminated with high pressure laminate.	White or special paint*. Veneered (oak, teak, birch)+(stain) + lacquer or oil. Laminated with high pressure laminate.	Laminated with high pressure laminate.		White or special paint*. Veneered (oak, teak, birch)+(stain) + lacquer or oil. Laminated with high pressure laminate.	White or special colour * Teak veneered +(stain)+oil
Additional hardware	Ventilation latch**	Ventilation latch**	Ventilation latch**, kick plate RST	Ventilation latch**, kick plate RST				Door viewer, kick plate RST
Usage field	Heated living rooms, offices	Heated living rooms, offices	Public buildings, offices	Public buildings, offices	Humid rooms	Saunas	Apartments and hotel rooms	Public buildings, residential houses
Special solutions	Special painting*		Moulded pattern on painted doors					
Garantii	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years	General guarantee 2 years

* According to Monicolor Nova, Symphony, Tintorama, RAL catalogue ** Plastic (white or brown) *** Colour bronze or grey

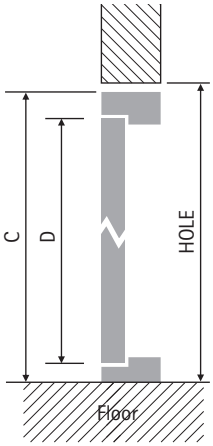
Door cuts

Door horizontal cut



Top view

Door vertical cut



Determining door handedness

View from the opening point



Left-handed door

Right-handed door





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