



doors are our world

CATALOGUE OF
**STEEL
DOORS
2023**

Edition 1/2023/A
Effective from: 01/06/2023

EN



We have been making doors for almost 50 years. Over that time, we have undergone a transformation from a small carpentry shop making wood products for local residents to the role of one of the market leaders in door manufacturing in Poland. In our 50,000 sqm plant, we use machinery designed specifically for us, based on the latest technologies. The annual production is about 750,000 door leaves that find satisfied buyers in various parts of the world. Our products are known primarily for their high quality and attractive and universal design.

Every order is important to us – both small ones for single leaves, as well as those for the needs of large customers. We believe this is the right way to become a better manufacturer.

This year, we start manufacturing doors made of steel. Preparations for starting the factory took several years. At that time, the original technology and completed production line tailored

We have transformed our concepts and ideas into real products that have been tested to check their essential parameters and performance. We are convinced that the result of these activities are products that provide a sense of comfort and safety. We believe you will have the same feelings by purchasing our doors.

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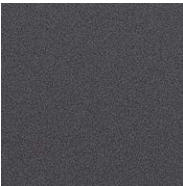
FACING LAYERS

Our doors are made of steel sheet, finished with PVC veneer. Choose a colour that will make your door stand out.

PVC VENEER

This product is specially developed for outdoor use. PVC veneer offers high resistance to changing weather conditions and UV radiation.
The texture matching the decorative motif creates a product with high aesthetic qualities.

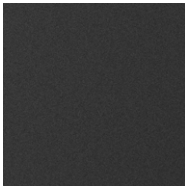
5 years of
WARRANTY²⁾
FOR THE VENEER



SMOOTH ANTHRACITE



ANTHRACITE
STRUCTURE



BLACK



ANTHRACITE OAK



GREY



WHITE PINE



BOG OAK



MEDIUM BROWN OAK



WALNUT



GOLDEN OAK



WINCHESTER



MOUNTAIN PINE



NATURAL OAK



NATURAL
TRANSVERSE OAK¹⁾



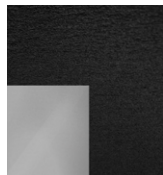
RAW OAK

For technical reasons, due to printing technology, the colours shown may differ from those shown in the photographs. It is recommended to compare the colour with the samples available from the seller

FRAMES



BLACK GLASS



BLACK PAINTED STAINLESS
STEEL DECORATIVE PANEL

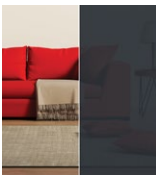


INOX STAINLESS STEEL
DECORATIVE PANEL

GLAZING



BLACK
(OPAQUE)



GRAPHITE



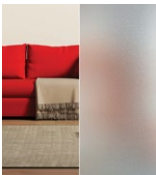
REFLEX BRONZE



REFLEX GREY



ONE-WAY MIRROR
(charged extra)



SANDBLASTED
GLASS



TRANSPARENT
GLASS

¹⁾ NATURAL OAK LATERAL facing layer used only on the leaf. Frame available with the NATURAL OAK facing layer.

²⁾ For UV resistance with the requirements specified in the guarantee card.

DOOR COLLECTION

LINDEN SERIES

p. 26



LINDEN 1 LINDEN 2 LINDEN 3 LINDEN 4 LINDEN 5 LINDEN 6

MURTER SERIES

p. 27



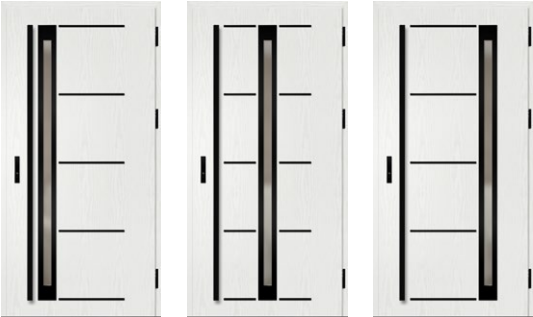
MURTER 1 MURTER 2 MURTER 3 MURTER 4 MURTER 5 MURTER 6

TREBUR SERIES

p. 22



TREBUR 1 TREBUR 2 TREBUR 3 TREBUR 4 TREBUR 5 TREBUR 6



TREBUR 7 TREBUR 8 TREBUR 9

DOOR COLLECTION

WELS SERIES

p. 23



WELS 1 WELS 2 WELS 3 WELS 4 WELS 5 WELS 6

KREBEN SERIES

p. 28



KREBEN 1 KREBEN 2 KREBEN 3 KREBEN 4 KREBEN 5 KREBEN 6 KREBEN 7

AMBERG SERIES

p. 25



AMBERG 1 AMBERG 2 AMBERG 3 AMBERG 4

WIENER SERIES

p. 30



WIENER 1 WIENER 2

SION SERIES

p. 31



SION 1 SION 2

MELK SERIES

p. 37



MELK 1 MELK 2



SINGEN SERIES

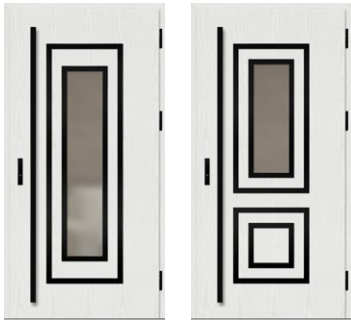
p. 32



SINGEN 1 SINGEN 2 SINGEN 3 SINGEN 4

EBERN SERIES

p. 29



EBERN 1 EBERN 2

SELTERS SERIES

p. 33



SELTERS 1 SELTERS 2 SELTERS 3 SELTERS 4

LUCERNA SERIES

p. 38



LUCERNA 1 LUCERNA 2

SAMEDAN SERIES

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SAMEDAN 1 SAMEDAN 2 SAMEDAN 3 SAMEDAN 4 SAMEDAN 5

RODING SERIES

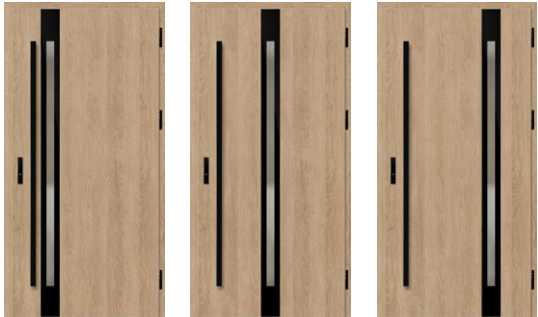
p. 35



RODING 1 RODING 2 RODING 3

HORN SERIES

p. 20



HORN 1 HORN 2 HORN 3





DOOR COLLECTION

FRYBURG SERIES

p. 36



FRYBURG 1



FRYBURG 2



FRYBURG 3

BIENE SERIES

p. 40



BIENE 1



BIENE 2



BIENE 3



BIENE 4

LEOBEN SERIES

p. 39



LEOBEN 1



LEOBEN 2



LEOBEN 3



LEOBEN 4

LEIMEN SERIES

p. 24



LEIMEN 1



LEIMEN 2



LEIMEN 3

LANGEN SERIES

p. 21



LANGEN 1



LANGEN 2



LANGEN 3



LANGEN 4



LANGEN 5

KELLA SERIES

p. 42



KELLA 1



KELLA 2

LUTTER SERIES

p. 41



LUTTER 1



LUTTER 2



LUTTER 3



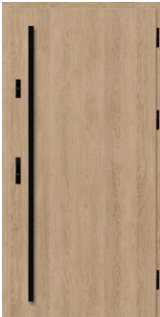
LUTTER 4

SOLID SERIES

p. 43



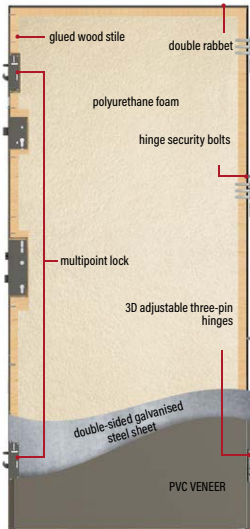
SOLID



DESIGN TYPES

88
THERMO HOT

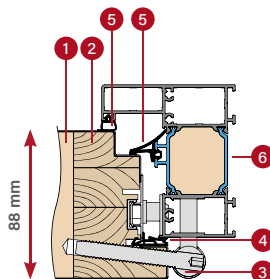
THERMO HOT 88



THERMAL INSULATION
 $U_d=0,60$
 $U_d=0.60 \text{ W/(m}^2\text{K)}^{-1}$



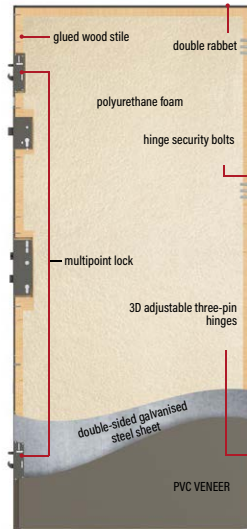
LEAF THICKNESS
88 mm



ALUMINIUM DOOR FRAME

78
THERMO HOT

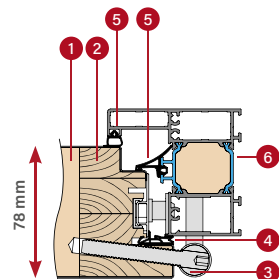
THERMO HOT 78



THERMAL INSULATION
 $U_d=0,63$
 $U_d=0.63 \text{ W/(m}^2\text{K)}^{-1}$



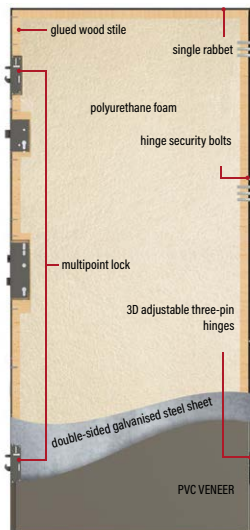
LEAF THICKNESS
78 mm



ALUMINIUM DOOR FRAME

78
THERMO

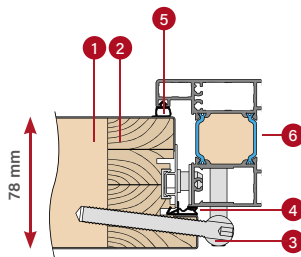
THERMO 78



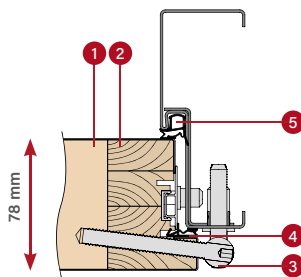
THERMAL INSULATION
 $U_d=0,64$
 $U_d=0.64 \text{ W/(m}^2\text{K)}^{-1}$



LEAF THICKNESS
78 mm



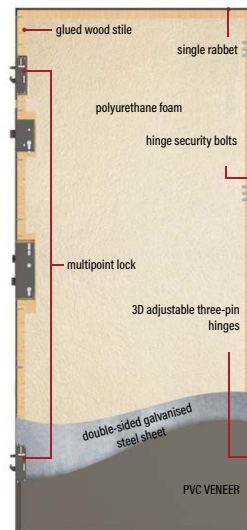
ALUMINIUM DOOR FRAME



STEEL DOOR FRAME

64
THERMO

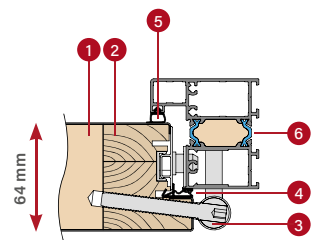
THERMO 64



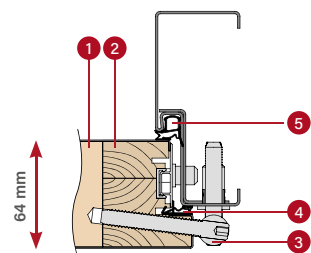
THERMAL INSULATION
 $U_d=0,77$
 $U_d=0.77 \text{ W/(m}^2\text{K)}^{-1}$



LEAF THICKNESS
64 mm



ALUMINIUM DOOR FRAME



STEEL DOOR FRAME

- 1 foam filling
- 2 glued wood stile

- 3 hinge
- 4 leaf seal

- 5 frame seal
- 6 aluminium frame thermal barrier

* Applies to solid core doors without glazing with reference dimensions 1230 x 2180 mm with aluminium frame (details on page 46).

THERMO HOT 88 DOOR



thermal insulation
 $U_d=0.60 \text{ W / (m}^2\text{K)}^*)$

STANDARD EQUIPMENT & AT EXTRA CHARGE



LINDEN 2, natural oak, LABEL BLACK

S

solid strike plate with pressure adjustment

S

multipoint lock

D

multipoint lock with the top lock

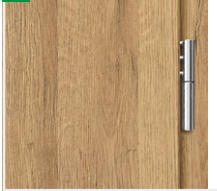
S

standard, included in door price

D

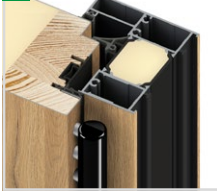
optional at extra charge

S



three-pin hinges with 3D adjustment, black, silver or old gold hinge covers

S



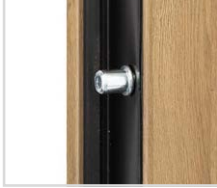
aluminium door frame

D



drop down gasket

S



4 hinge security bolts

S



warm aluminium threshold and fourth rabbet in the lower part of the leaf

* Applies to solid core doors without glazing with reference dimensions 1230 x 2180 mm with aluminium frame.



cross-section of the THERMO HOT 88 leaf with and without drop down gasket, aluminium threshold



DESIGN:

- 1 door leaf filled with polyurethane foam (PUR)
- 2 leaf plating of 0,6 mm thick galvanised steel sheet covered with UV resistant PVC veneer
- 3 leaf stile made of glued wood (pinewood)
- 4 3D adjustable three-pin hinge
- 6 trim for an aesthetic finish
- 7 warm aluminium threshold
- 8 drop down gasket (at extra charge) provides additional sealing of the door in the threshold part
- 9 threshold rabbet (the so-called fourth rabbet) significantly improves the tightness of the door around the leaf
- 10 aluminium black, silver or old gold hinge covers
- 11 aluminium frame with thermal barrier providing much better thermal insulation
- 12 door frame central gasket
- 13 door frame and leaf gasket

STANDARD EQUIPMENT:

1. Door leaf with four-sided rabbet, with glued wood frame, filled with PUR foam equipped with:
 - 3 hinges with 3D adjustment and covers
 - 4 hinge security bolts
 - multipoint lock with 3-point locking, silver or black at extra charge
 - covers.
2. Aluminium frame, painted black and covered in the colour of the door leaf, with a warm aluminium threshold and a solid strike plate with pressure adjustment.
3. 4-ply glazing units with a black frame with improved insulation spacer bar as standard.



door leaf thickness
88 mm



WT21 standard



energy-saving

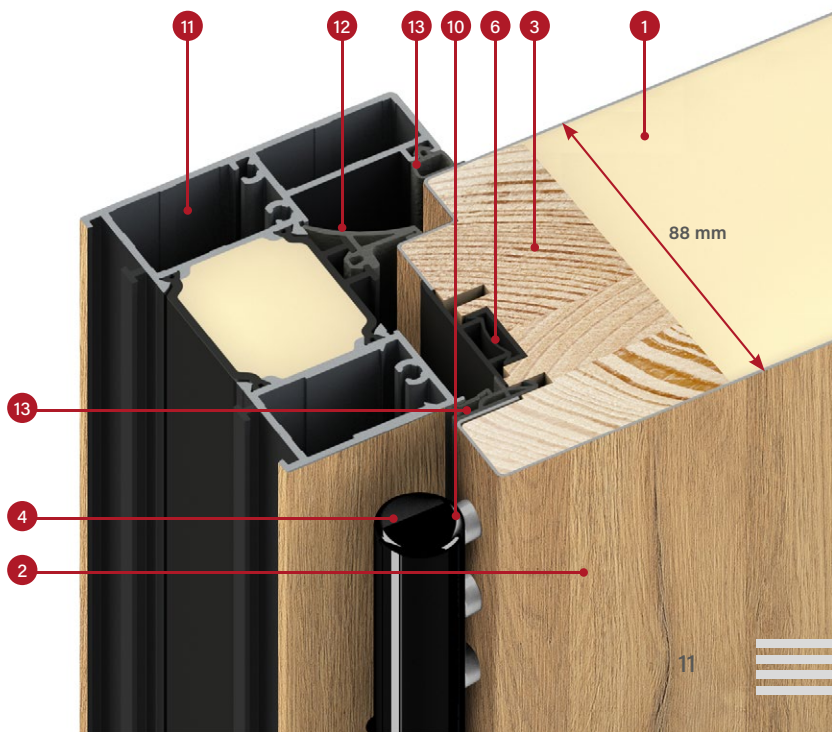


European CE compliance
standard



ideal for passive house

cross section of an aluminium frame
for the THERMO HOT 88 leaf




THERMO HOT 78 DOOR




thermal insulation
 $U_d=0.63 \text{ W / (m}^2\text{K)}^*)$


STANDARD EQUIPMENT & AT EXTRA CHARGE




S
solid strike plate with pressure adjustment




S
multipoint lock




D
multipoint lock with the top lock




HORN 1, anthracite oak, PLAIN GLASS




S
three-pin hinges with 3D adjustment, black, silver or old gold hinge covers




S
aluminium door frame



D
drop down gasket



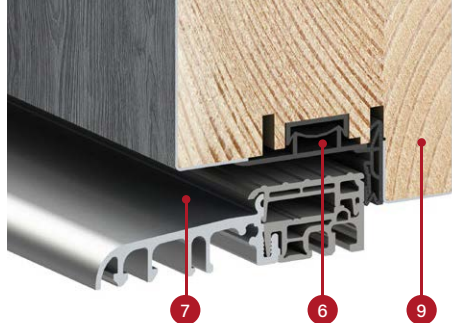
S
4 hinge security bolts



S
warm aluminium threshold and fourth rabbet in the lower part of the leaf

S standard, included in door price **D** optional at extra charge

* Applies to solid core doors without glazing with reference dimensions 1230 x 2180 mm with aluminium frame.



cross-section of the THERMO HOT 78 leaf with and without drop down gasket, aluminium threshold



DESIGN:

- 1 door leaf filled with polyurethane foam (PUR)
- 2 leaf plating of 0,6 mm thick galvanised steel sheet covered with UV resistant PVC veneer
- 3 leaf stile made of glued wood (pinewood)
- 4 3D adjustable three-pin hinge
- 6 trim for an aesthetic finish
- 7 warm aluminium threshold
- 8 drop down gasket (at extra charge) provides additional sealing of the door in the threshold part
- 9 threshold rabbet (the so-called fourth rabbet) significantly improves the tightness of the door around the leaf
- 10 aluminium black, silver or old gold hinge covers
- 11 aluminium frame with thermal barrier providing much better thermal insulation
- 12 door frame central gasket
- 13 door frame and leaf gasket

STANDARD EQUIPMENT:

1. Door leaf with four-sided rabbet, with glued wood frame, filled with PUR foam equipped with:
 - 3 hinges with 3D adjustment and covers
 - 4 hinge security bolts
 - multipoint lock with 3-point locking, silver or black at extra charge
 - covers.
2. Aluminium frame, painted black and covered in the colour of the door leaf, with a warm aluminium threshold and a solid strike plate with pressure adjustment.
3. 4-ply glazing units with a black frame with improved insulation spacer bar as standard.



door leaf thickness
78 mm



WT21 standard



energy-saving

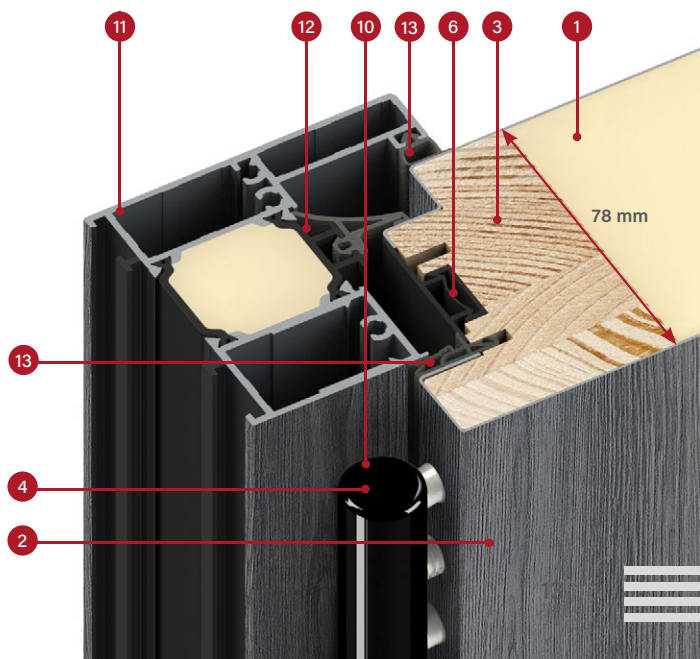


European CE compliance
standard



ideal for passive house

cross section of an aluminium frame
for the THERMO HOT 78 leaf



THERMO 78 DOOR



thermal insulation
 $U_d=0.64 \text{ W/(m}^2\text{K)}^{*)}$

STANDARD EQUIPMENT & AT EXTRA CHARGE



S

solid strike plate with pressure adjustment¹⁾

S

multipoint lock without the top lock

D

multipoint lock with the top lock



SION 1, winchester, LABEL DIAMOND GLASS

S

standard, included in door price

D

optional at extra charge

S



three-pin hinges with 3D adjustment, black, silver or old gold hinge covers

S



steel frame with adjustable strikes

D



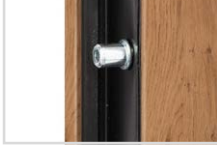
aluminium door frame

D



drop down gasket

S



4 hinge security bolts

S



warm aluminium threshold and fourth rabbet in the lower part of the leaf

¹⁾ Only available for aluminium frame. For the steel frame, the solid strike plate is not available.

* Applies to solid core doors without glazing with reference dimensions 1230 x 2180 mm with aluminium frame.



cross-section of the THERMO 78 leaf
with and without drop down gasket,
aluminium threshold



DESIGN:

- 1 door leaf filled with polyurethane foam (PUR)
- 2 leaf plating of 0,6 mm thick galvanised steel sheet covered with UV resistant PVC veneer
- 3 leaf stile made of glued wood (pinewood)
- 4 3D adjustable three-pin hinge
- 6 trim for an aesthetic finish
- 7 warm aluminium threshold
- 8 drop down gasket (at extra charge) provides additional sealing of the door in the threshold part
- 9 threshold rabbet (the so-called fourth rabbet) significantly improves the tightness of the door around the leaf
- 10 aluminium black, silver or old gold hinge covers
- 11 aluminium frame (at extra charge) with thermal barrier providing much better thermal insulation (compared to a steel frame)
- 12 1.5 mm thick galvanised steel frame in door colour or any colour of the range
- 13 door frame and leaf gasket

STANDARD EQUIPMENT:

1. Door leaf with four-sided rabbet, with glued wood frame, filled with PUR foam equipped with:
 - 3 hinges with 3D adjustment and covers
 - 4 hinge security bolts
 - multipoint lock with 3-point locking, silver or black at extra charge
 - covers.
2. Steel door frame, galvanised and covered in the colour of the door leaf, equipped with a warm aluminium threshold
3. 4-ply glazing units with a black frame with improved insulation spacer bar as standard.



door leaf thickness
78 mm



WT21 standard



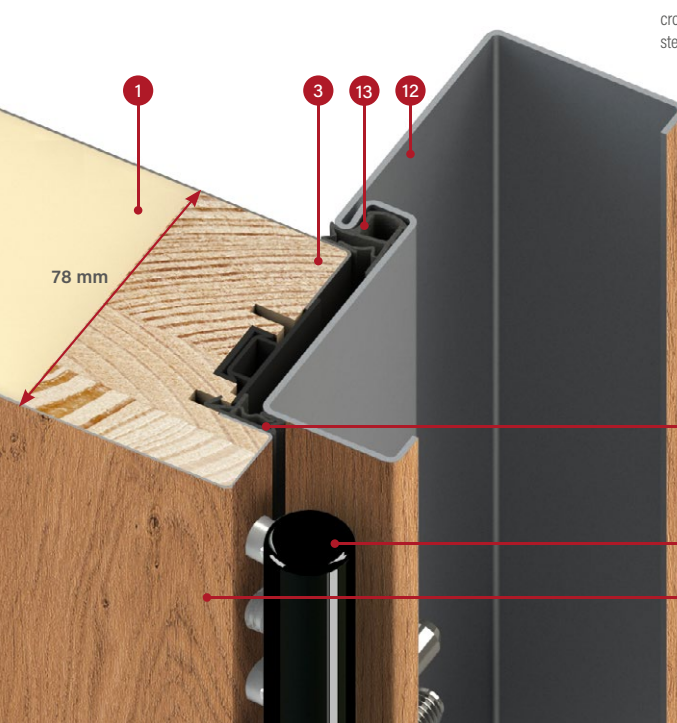
energy-saving



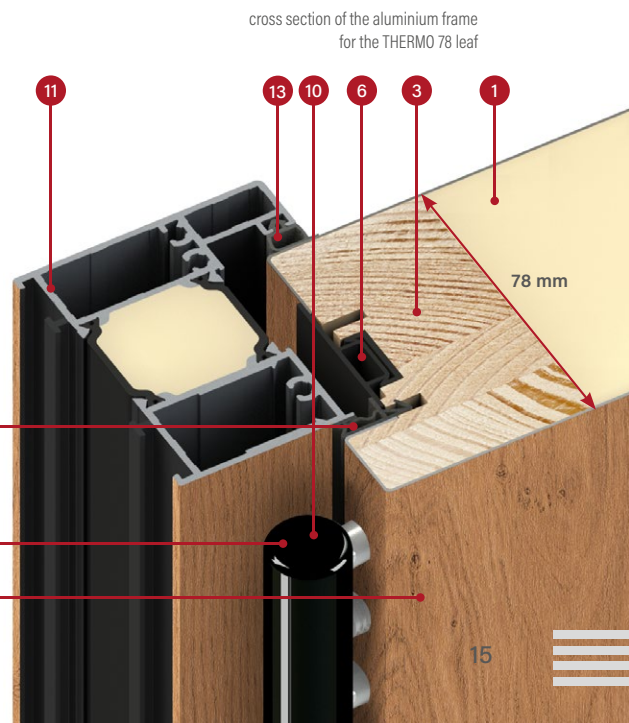
European CE compliance
standard



ideal for a passive house (with
aluminium frame)



cross section of the THERMO 78 leaf
steel frame



cross section of the aluminium frame
for the THERMO 78 leaf

THERMO 64 DOOR



thermal insulation
 $U_d=0.77 \text{ W/(m}^2\text{K)}^{*)}$

STANDARD EQUIPMENT & AT EXTRA CHARGE

S solid strike plate with pressure adjustment¹⁾

S multipoint lock without the top lock

D multipoint lock with the top lock

SINGEN 1, smooth anthracite, LABEL INOX

S standard, included in door price **D** optional at extra charge

three-pin hinges with 3D adjustment, black, silver or old gold hinge covers

steel frame with adjustable strikes

aluminium door frame

drop down gasket

4 hinge security bolts

warm aluminium threshold and fourth rabbet in the lower part of the leaf

¹⁾ Only available for aluminium frame. For the steel frame, the solid strike plate is not available.
* Applies to solid core doors without glazing with reference dimensions 1230 x 2180 mm with aluminium frame.



cross-section of the THERMO 64 leaf
with and without drop down gasket,
aluminium threshold



DESIGN:

- 1 door leaf filled with polyurethane foam (PUR)
- 2 leaf plating of 0,6 mm thick galvanised steel sheet covered with UV resistant PVC veneer
- 3 leaf stile made of glued wood (pinewood)
- 4 3D adjustable three-pin hinge
- 6 trim for an aesthetic finish
- 7 warm aluminium threshold
- 8 drop down gasket (at extra charge) provides additional sealing of the door in the threshold part
- 9 threshold rabbet (the so-called fourth rabbet) significantly improves the tightness of the door around the leaf
- 10 aluminium black, silver or old gold hinge covers
- 11 aluminium frame (at extra charge) with thermal barrier providing much better thermal insulation (compared to a steel frame)
- 12 1.5 mm thick galvanised steel frame in door colour or any colour of the range
- 13 door frame and leaf gasket

STANDARD EQUIPMENT:

1. Door leaf with four-sided rabbet, with glued wood frame, filled with PUR foam equipped with:
 - 3 hinges with 3D adjustment and covers
 - 4 hinge security bolts
 - multipoint lock with 3-point locking, silver or black at extra charge
 - covers.
2. Steel door frame, galvanised and covered in the colour of the door leaf, equipped with a warm aluminium threshold.
3. 4-ply glazing units with a black frame with improved insulation spacer bar as standard.



door leaf thickness
64 mm



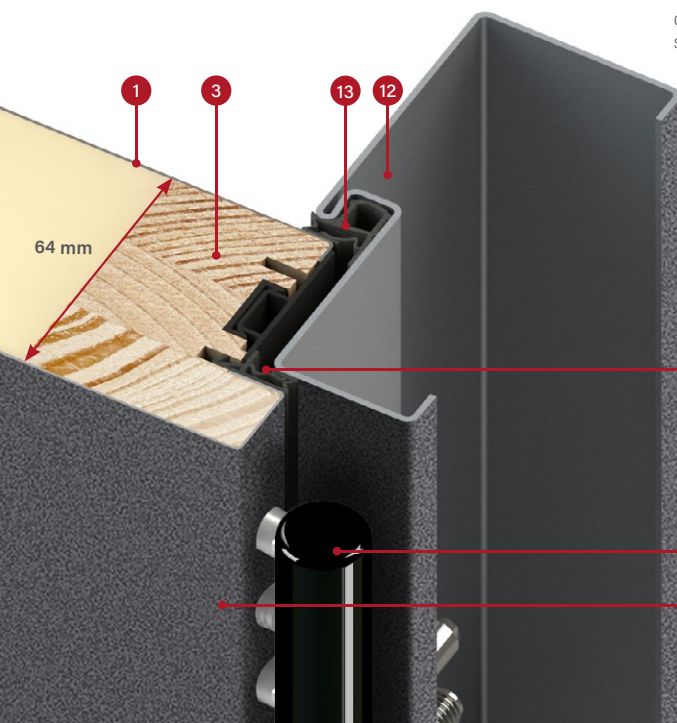
WT21 standard



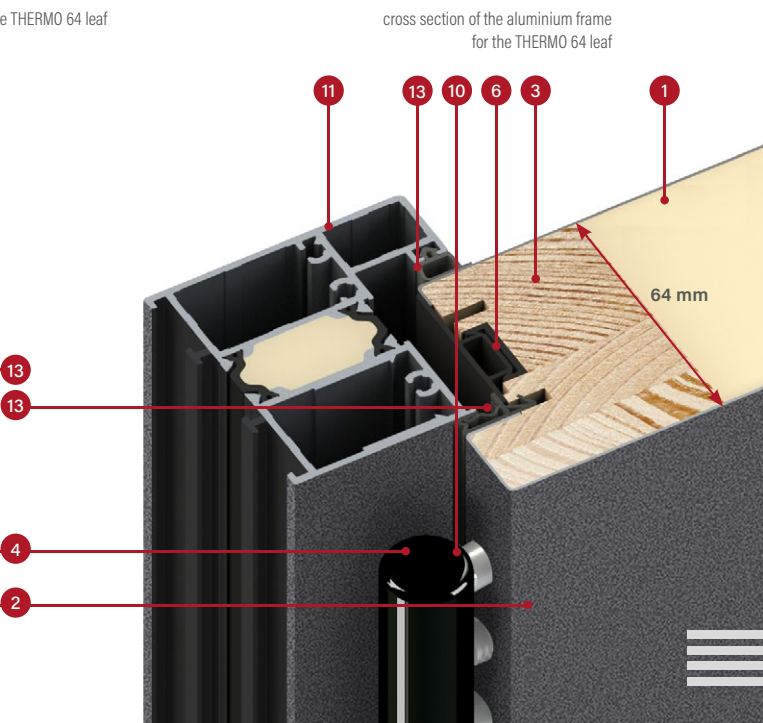
energy-saving



European CE compliance
standard



cross section of the THERMO 64 leaf
steel frame



cross section of the aluminium frame
for the THERMO 64 leaf

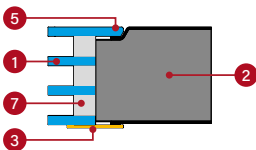
TYPES OF FINISH

PLAIN FINISH

Facing layer flush with the leaf surface at the side of the rabbet. In the outwards opening doors, the facing is flush only on the outside of the house, and a decorative panel is provided inside. In the inwards opening doors (not available for THERMO HOT doors) the facing is flush only on the inside of the house, and a decorative panel is provided outside.



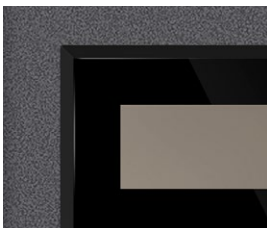
Panel flush with the surface of the leaf made of black glass.



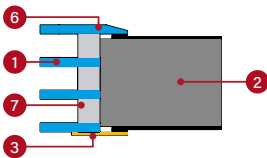
- 1 glazing unit
- 2 leaf
- 3 decorative panel made of stainless steel painted black bonded to the surface of the leaf
- 4 decorative panel made of stainless steel in INOX finish bonded to the surface of the leaf
- 5 glass flush with the surface of the leaf, which can only be located at the rabbet side
- 6 glass with typical chamfer bonded to the surface of the leaf
- 7 black spacer bar

LABEL FINISH

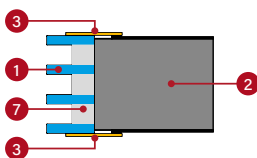
The decorative panel placed on the surface of the leaf creating a delicate 3D effect.



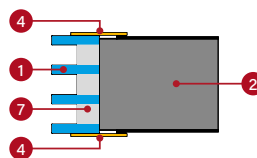
Panel with a thickness of 5 mm made of black glass with characteristic chamfering.



Panel with a thickness of 2 mm painted black.

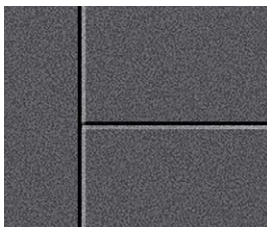


Panel with a thickness of 2 mm in INOX finish.

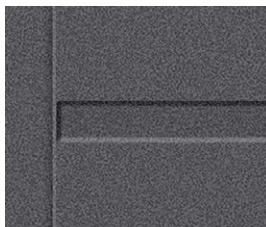


STAMP FINISH

Attractive embossing made in the leaf surface forming a clear pattern.



Double-sided embossing width 10 mm, depth 2 mm.



Double-sided embossing width 25 mm, depth 2 mm.

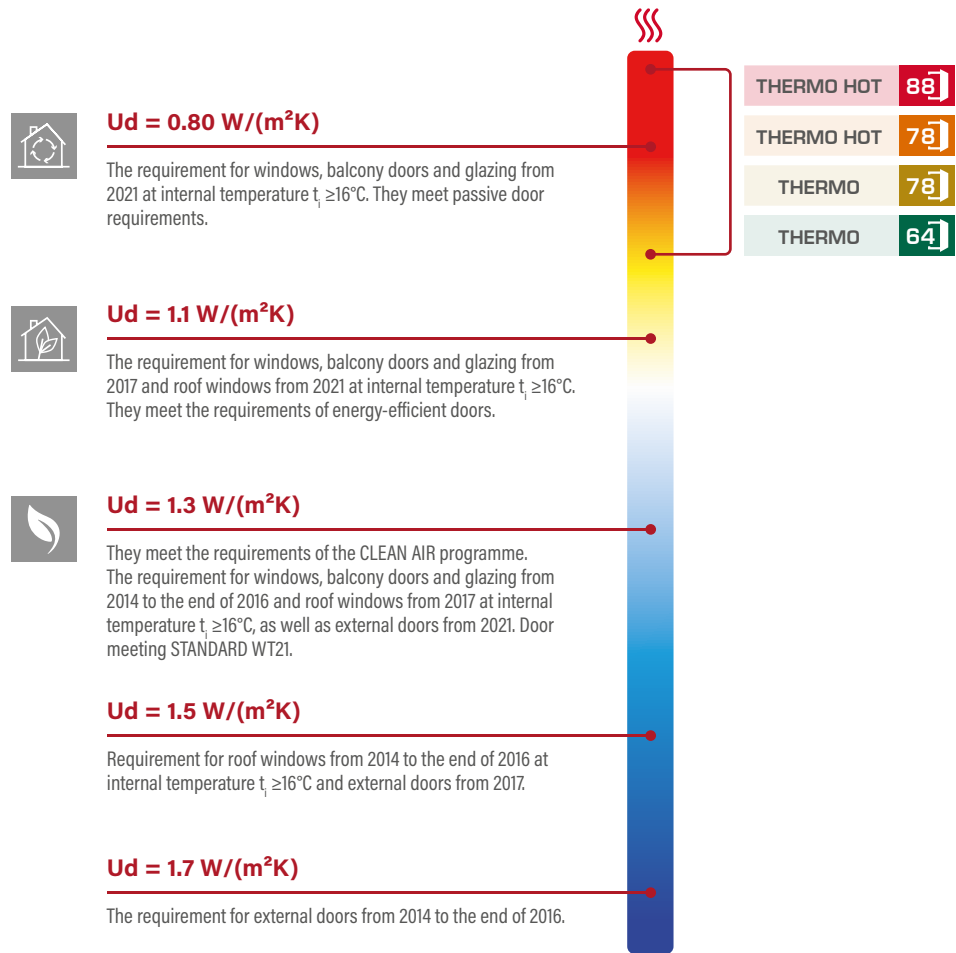


Double-sided embossing width 25 mm with inlay in INOX finish or painted black. The inlay may be placed either on one or on both sides. It is placed in embossing and flush with the leaf (STAMP) or bonded to a flat leaf (LABEL).



HEAT PENETRATION

The lower the penetration rate, the lower the energy loss.



		Frame type	HEAT INSULATION Ud [W/ (m²K)]			
			SOLID DOORS		GLAZED DOOR¹)	
			Outwards opening doors	Inwards opening doors	Outwards opening doors	Inwards opening doors
THERMO HOT	88	ALUMINIUM	0.62	0.60	0.69	0.67
THERMO HOT	78	ALUMINIUM	0.67	0.63	0.74	0.71
THERMO	78	STEEL	0.97	0.80	1.00	0.88
THERMO	78	ALUMINIUM	0.68	0.64	0.75	0.72
THERMO	64	STEEL	1.00	0.88	1.2	0.99
THERMO	64	ALUMINIUM	0.83	0.77	0.94	0.88

^{*)} tested glazing sample 1500 x 150 mm



FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

- ◀ 80N ▶
- ◀ 80 ▶
- ◀ 90N ▶
- ◀ 90 ▶
- ◀ 100¹⁾ ▶
- ◀ MADE TO MEASURE ▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51

The HORN model in THERMO HOT 88 and THERMO HOT 78 technology is not available for the inwards opening door.



HORN 1, raw oak, PLAIN GLASS
outwards opening doors
door knocker K35 length 160 cm, aluminium frame,
standard glazing unit



HORN 1



HORN 2



HORN 3

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

LANGEN

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



LANGEN 1, mountain pine, LABEL BLACK
door knocker K35 length 160 cm, aluminium frame,
standard glazing unit



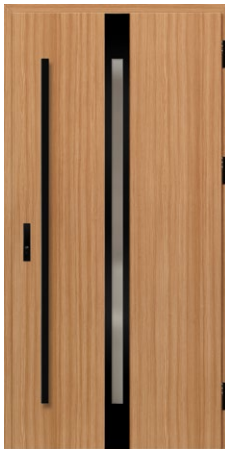
LANGEN 1



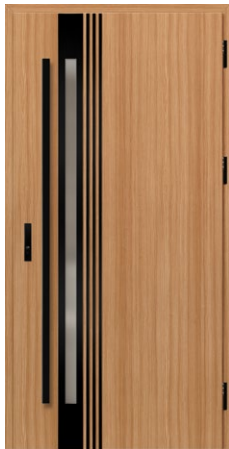
LANGEN 2



LANGEN 3



LANGEN 4



LANGEN 5

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

TREBUR

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

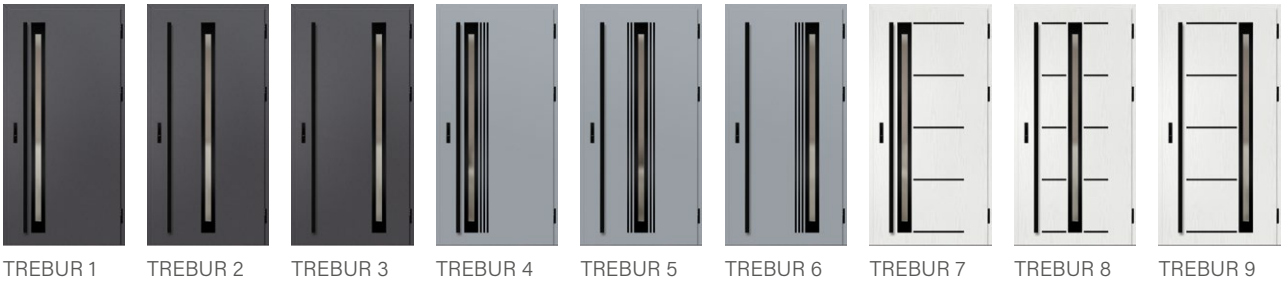
It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



TREBUR 1, smooth anthracite, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS



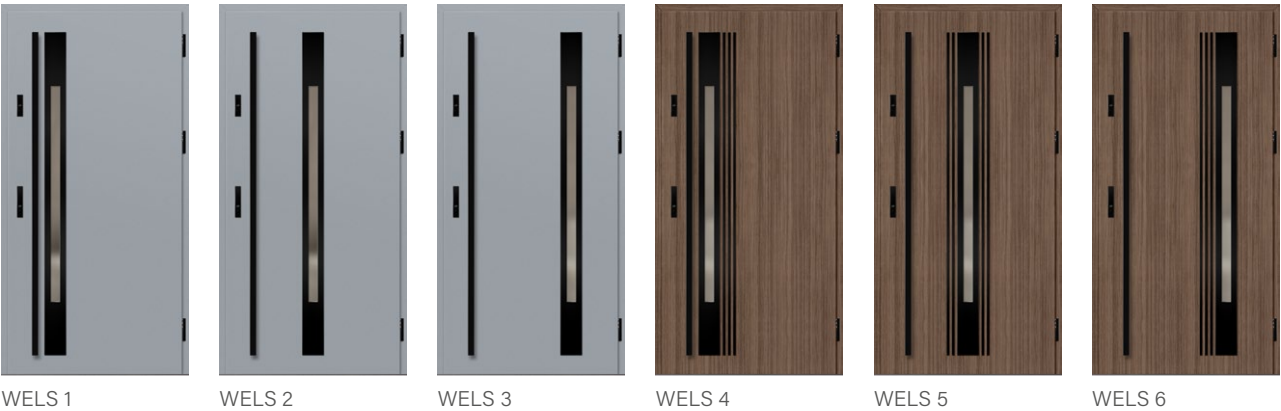
It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)
leaf width "100"
custom width in the range 770-1210 mm (Sc page 48)
higher door up to 2480 mm (dim. Hc page 48) ²⁾
lower door up to 1800 mm (dim. Hc page 48) ³⁾
two-colour door (leaf and aluminium frame)
detailed list of equipment available at an extra charge – see page 51



WELS 1, white pine, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



LEIMEN 1, anthracite structure, LABEL BLACK door knocker K35 length 160 cm, aluminium frame, standard glazing unit



LEIMEN 1



LEIMEN 2



LEIMEN 3

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)

leaf width "100"

custom width in the range 770-1210 mm (Sc page 48)

higher door up to 2480 mm (dim. Hc page 48) ²⁾

lower door up to 1800 mm (dim. Hc page 48) ³⁾

two-colour door (leaf and aluminium frame)

detailed list of equipment available at an extra charge – see page 51



AMBERG 1, natural oak, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



AMBERG 1



AMBERG 2



AMBERG 3



AMBERG 4

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

LINDEN

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



LINDEN 1, smooth anthracite, LABEL BLACK
door opening inwards, aluminium frame,
standard glazing unit
door knocker K35 length 180 cm



LINDEN 1



LINDEN 2



LINDEN 3



LINDEN 4



LINDEN 5



LINDEN 6

MURTER

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)
leaf width "100"
custom width in the range 770-1210 mm (Sc page 48)
higher door up to 2480 mm (dim. Hc page 48) ²⁾
lower door up to 1800 mm (dim. Hc page 48) ³⁾
two-colour door (leaf and aluminium frame)
detailed list of equipment available at an extra charge – see page 51



MURTER 1, medium brown oak, LABEL BLACK
door opening inwards, aluminium frame,
standard glazing unit
door knocker K35 length 180 cm



MURTER 1



MURTER 2



MURTER 3



MURTER 4



MURTER 5



MURTER 6

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

KREBEN

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



KREBEN 1, natural oak, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



KREBEN 1



KREBEN 2



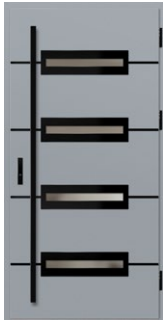
KREBEN 3



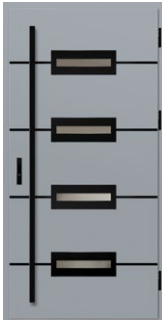
KREBEN 4



KREBEN 5



KREBEN 6



KREBEN 7

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)

leaf width "100"

custom width in the range 770-1210 mm (Sc page 48)

higher door up to 2480 mm (dim. Hc page 48) ²⁾

lower door up to 1800 mm (dim. Hc page 48) ³⁾

two-colour door (leaf and aluminium frame)

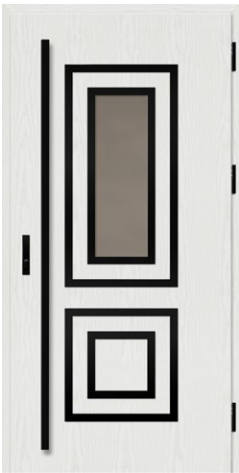
detailed list of equipment available at an extra charge – see page 51



EBERN 1, white pine, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



EBERN 1



EBERN 2

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



WIENER 1, white pine, LABEL DIAMOND GLASS
door knocker K35 length 160 cm, aluminium frame,
standard glazing unit



WIENER 1



WIENER 2

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀ 80N ▶ ▶ 80 ▶ ▶ 90N ▶ ▶ 90 ▶ ▶ 100¹⁾ ▶ ▶ MADE TO MEASURE ▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



SION 1, natural oak, LABEL DIAMOND GLASS
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



SION 1



SION 2

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



SINGEN 1, anthracite structure, LABEL INOX door knocker K35 length 180 cm, aluminium frame, standard glazing unit



SINGEN 1



SINGEN 2



SINGEN 3



SINGEN 4

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

SELTERS

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



SELTERS 1, golden oak, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



SELTERS 1



SELTERS 2



SELTERS 3



SELTERS 4

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

SAMEDAN

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



SAMEDAN 1, white pine, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



SAMEDAN 1



SAMEDAN 2



SAMEDAN 3



SAMEDAN 4



SAMEDAN 5

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

RODING

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



RODING 1, winchester, LABEL BLACK
PASA handle, aluminium frame,
standard glazing unit



RODING 1



RODING 2



RODING 3

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



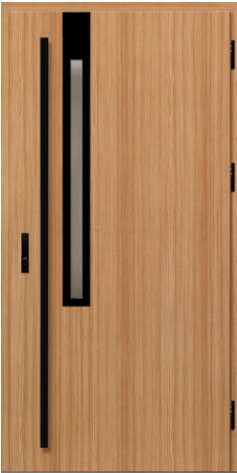
FRYBURG 1, mountain pine, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



FRYBURG 1



FRYBURG 2



FRYBURG 3

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

MELK

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



MELK 1, black, LABEL INOX
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



MELK 1



MELK 2

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

LUCERNA

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



LUCERNA 1, grey, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



LUCERNA 1



LUCERNA 2

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

LEOBEN

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- detailed list of equipment available at an extra charge – see page 51



LEOBEN 1, natural oak, LABEL BLACK
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



LEOBEN 1



LEOBEN 2



LEOBEN 3



LEOBEN 4

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height (the change of height does not apply to the BIENE 1 design). See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc on page 48) ^{2) 3)}
- lower door up to 1800 mm (dim. Hc page 48) ⁴⁾
- two-colour door (leaf and aluminium frame)
- wide-angle peephole, silver or black
- detailed list of equipment available at an extra charge – see page 51



BIENE 1, natural transverse oak, STAMP BLACK door knocker K35 length 180 cm, aluminium frame, standard glazing unit



BIENE 1



BIENE 2



BIENE 3



BIENE 4

¹⁾ at an extra charge ²⁾ not available for BIENE 1 ³⁾ doors with a height of Hc above 2100 mm – 4 hinges
⁴⁾ doors with Hc height below 1984mm only available with one lock

LUTTER

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height (the change of height does not apply to the LUTTER 1 design). See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)
leaf width "100"
custom width in the range 770-1210 mm (Sc page 48)
higher door up to 2480 mm (dim. Hc on page 48) ^{2) 3)}
lower door up to 1800 mm (dim. Hc page 48) ⁴⁾
two-colour door (leaf and aluminium frame)
wide-angle peephole, silver or black
detailed list of equipment available at an extra charge – see page 51



LUTTER 1, smooth anthracite, STAMP ROLLER
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



LUTTER 1



LUTTER 2



LUTTER 3



LUTTER 4

¹⁾ at an extra charge ²⁾ not available for LUTTER 1 ³⁾ doors with a height of Hc above 2100 mm – 4 hinges
⁴⁾ doors with Hc height below 1984mm only available with one lock

KELLA

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

aluminium frame (THERMO 78 and THERMO 64 only)

leaf width "100"

custom width in the range 770-1210 mm (Sc page 48)

higher door up to 2480 mm (dim. Hc page 48) ²⁾

lower door up to 1800 mm (dim. Hc page 48) ³⁾

two-colour door (leaf and aluminium frame)

wide-angle peephole, silver or black

detailed list of equipment available at an extra charge – see page 51



KELLA 1, swamp oak, STAMP
door knocker K35 length 180 cm, aluminium frame,
standard glazing unit



KELLA 1



KELLA 2

SOLID

FINISHING OPTIONS



AVAILABLE DOOR LEAF WIDTHS

◀80N▶ ▶80▶ ▶90N▶ ▶90▶ ▶100¹⁾▶ ▶MADE TO MEASURE▶

It is possible to make a door of any width and height. See details on page 48.

EXTRA CHARGES

- aluminium frame (THERMO 78 and THERMO 64 only)
- leaf width "100"
- custom width in the range 770-1210 mm (Sc page 48)
- higher door up to 2480 mm (dim. Hc page 48) ²⁾
- lower door up to 1800 mm (dim. Hc page 48) ³⁾
- two-colour door (leaf and aluminium frame)
- wide-angle peephole, silver or black
- detailed list of equipment available at an extra charge – see page 51



SOLID, walnut
PASA handle, aluminium frame,
standard glazing unit



SOLID



SOLID



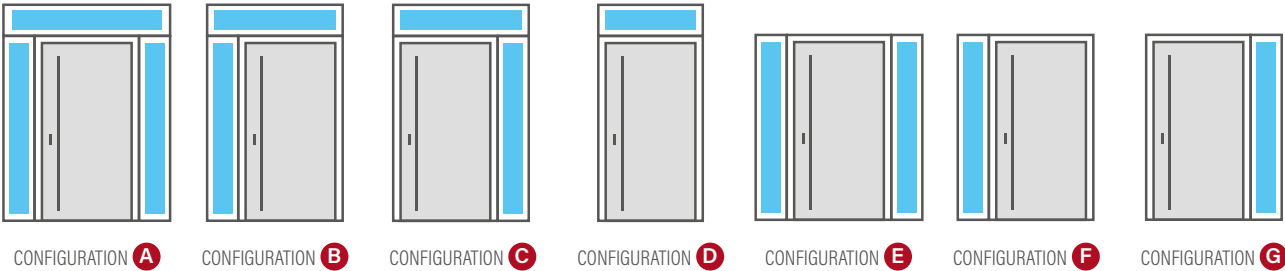
SOLID

¹⁾ at extra charge ²⁾ doors with Hc height above 2100 mm – 4 hinges ³⁾ doors with Hc height below 1984 mm available with one lock only

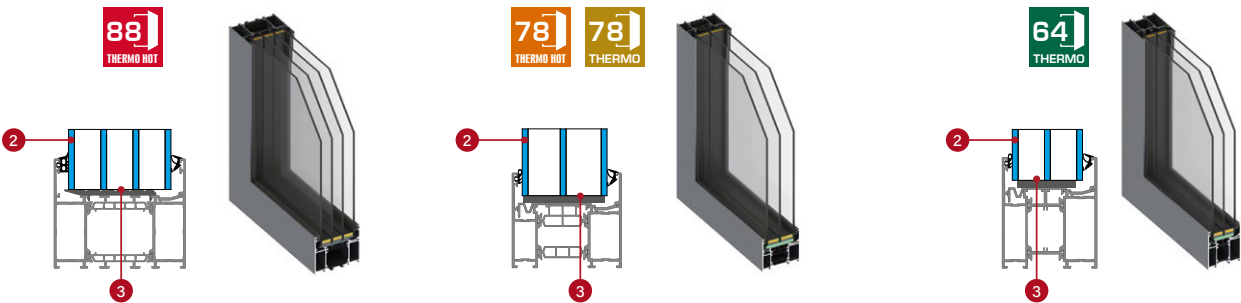
TOP AND SIDE LIGHTS

- top and side lights are manufactured as standard and in custom sizes, and are available only for doors made with an aluminium frame
- side and top lights require disassembly of glass during installation
- extra charge for P4 glass
- extra charge for one-way mirror glass
- extra charge for custom light at a dimensional angle
- extra charge for two-colour light

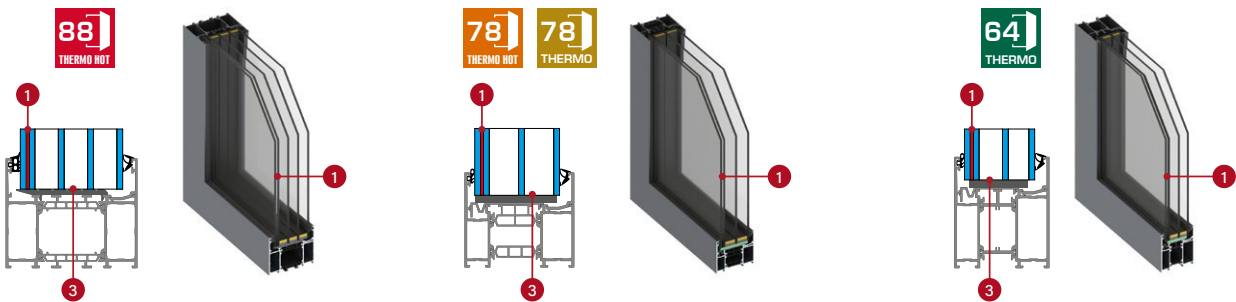
AVAILABLE CONFIGURATIONS



GLAZING UNITS - STANDARD GLASS

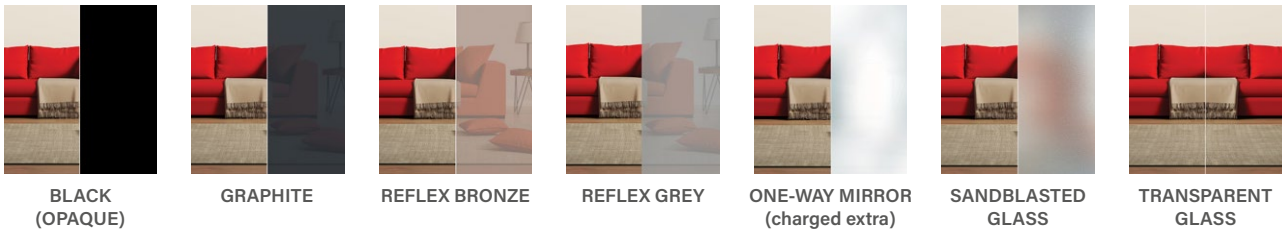


GLAZING UNITS - P4 BURGLAR-PROOF GLASS (extra charge)



- 1 laminated burglar-proof glass P4
- 2 glass
- 3 insulation spacer bars, black

GLAZING UNITS - TYPES OF GLAZING





THERMO HOT 88

THERMO HOT 88 TOP LIGHT

Height [mm]	Width [mm]																	
	987 (80)	1087 (90)	1187 (100)	1287	1387	1487	1587	1687	1787	1887	1987	2087	2187	2287	2387	2487	2587	2687
200																		
300																		
400																		
500																		

STANDARD AND HIGHER SIDE LIGHTS FOR THERMO 88

Height [mm]	Width [mm]						
	200	300	400	500	600	700	800
2104 [standard THERMO HOT 88]							
2200							
2300							
2400							



THERMO HOT 78



THERMO 78

THERMO 78/THERMO HOT 78 TOP LIGHTS

Height [mm]	Width THERMO 78 [mm]																	
	962 (80)	1062 (90)	1162 (100)	1262	1362	1462	1562	1662	1762	1862	1962	2062	2162	2262	2362	2462	2562	2662
	Width THERMO HOT 78 [mm]																	
	97 7(80)	1077 (90)	1177 (100)	1277	1377	1477	1577	1677	1777	1877	1977	2077	2177	2277	2377	2477	2577	2677
200																		
300																		
400																		
500																		

STANDARD AND HIGHER SIDE LIGHTS FOR THERMO 78/THERMO HOT 78

Height [mm]	Width [mm]						
	200	300	400	500	600	700	800
2089 [standard THERMO 78]							
2104 [standard THERMO HOT 78]							
2200							
2300							
2400							



THERMO 64

THERMO 64 TOP LIGHTS

Height [mm]	Width [mm]																	
	948 (80)	1048 (90)	1148 (100)	1248	1348	1448	1548	1648	1748	1848	1948	2048	2148	2248	2348	2448	2548	2648
200																		
300																		
400																		
500																		

STANDARD AND HIGHER SIDE LIGHTS FOR THERMO 64

Height [mm]	Width [mm]						
	200	300	400	500	600	700	800
2089 (standard THERMO 64)							
2200							
2300							
2400							

The width and height of lights is the dimension calculated outside the frame.

TECHNICAL INFORMATION

DISTANCE OF PANELS OR EMBOSSING FROM THE LEAF EDGE DEPENDING ON THE SIDE AND MODEL

MODEL	RABBET SIDE		GROOVE SIDE	
	Distance from upper door edge	Distance from side door edge	Distance from upper door edge	Distance from side door edge
Kreben 4	-	up to 2mm	-	15mm
Kreben 5	-	up to 2mm	-	15mm
Kreben 6	-	up to 2mm	-	15mm
Kreben 7	-	up to 2mm	-	15mm
Wiener 1	up to 2mm	-	15mm	-
Wiener 2	up to 2mm	-	15mm	-
Singen 1	up to 2mm	-	15mm	-
Singen 2	up to 2mm	-	15mm	-
Singen 3	up to 2mm	-	15mm	-
Singen 4	up to 2mm	-	15mm	-
Selters 1	up to 2mm	-	15mm	-
Selters 2	up to 2mm	-	15mm	-
Selters 3	up to 2mm	-	15mm	-
Selters 4	up to 2mm	-	15mm	-
Samedan 3	up to 2mm	-	15mm	-
Samedan 4	up to 2mm	-	15mm	-
Samedan 5	-	up to 2mm	-	15mm
Roding 2	-	up to 2mm	-	15mm
Fryburg 1	up to 2mm	up to 2mm	15mm	15mm
Fryburg 2	up to 2mm	up to 2mm	15mm	15mm
Fryburg 3	up to 2mm	-	15mm	-
Melk 1	-	up to 2mm	-	15mm
Melk 2	-	up to 2mm	-	15mm
Leoben 1	-	up to 2mm	-	15mm
Leoben 2	-	up to 2mm	-	15mm
Leoben 3	-	up to 2mm	-	15mm
Leoben 4	-	up to 2mm	-	15mm
Leimen 1	up to 2mm	-	15mm	-
Leimen 2	up to 2mm	-	15mm	-
Leimen 3	up to 2mm	-	15mm	-
Lucerna 1	-	up to 2mm	-	15mm
Langen 1	up to 2mm	-	15mm	-
Langen 2	up to 2mm	-	15mm	-
Langen 3	up to 2mm	-	15mm	-
Langen 4	up to 2mm	-	15mm	-
Langen 5	up to 2mm	-	15mm	-
Horn 1	up to 9 mm	-	15mm	-
Horn 2	up to 9 mm	-	15mm	-
Horn 3	up to 9 mm	-	15mm	-
Biene 1 (THERMO)	-	up to 9 mm	-	up to 9 mm
Biene 1 (THERMO HOT)	-	up to 9 mm	-	100 mm
Biene 2	-	100 mm	-	100 mm
Luter 1 (THERMO)	-	up to 9 mm	-	up to 9 mm
Luter 1 (THERMO HOT)	-	up to 9 mm	-	100 mm
Luter 2	-	100 mm	-	100 mm
Kella 1	up to 9 mm	up to 9 mm	up to 9 mm	up to 9 mm
Kella 2	up to 9 mm	up to 9 mm	up to 9 mm	up to 9 mm

TECHNICAL INFORMATION

DOOR FRAMES

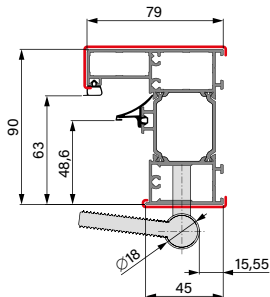
Veneer in the chosen door colour



THERMO HOT 88



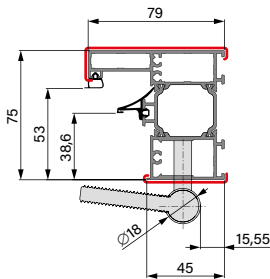
ALUMINIUM DOOR FRAME



THERMO HOT 78



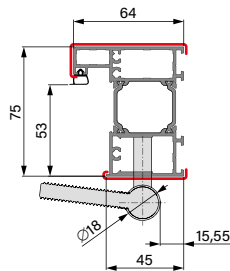
ALUMINIUM DOOR FRAME



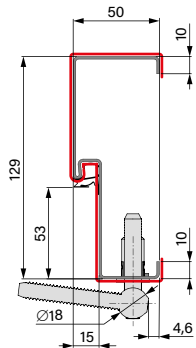
THERMO 78



ALUMINIUM DOOR FRAME



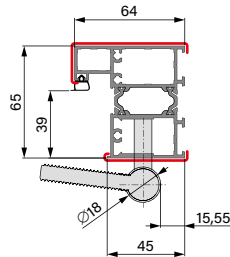
STEEL DOOR FRAME



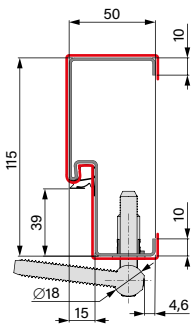
THERMO 64



ALUMINIUM DOOR FRAME

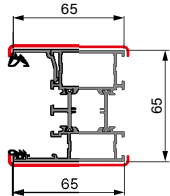
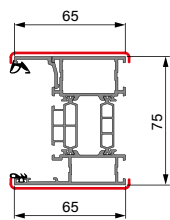
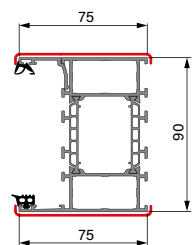


STEEL DOOR FRAME



STEEL DOOR FRAME

TOP AND SIDE LIGHTS



DOOR FRAME EXTENSIONS

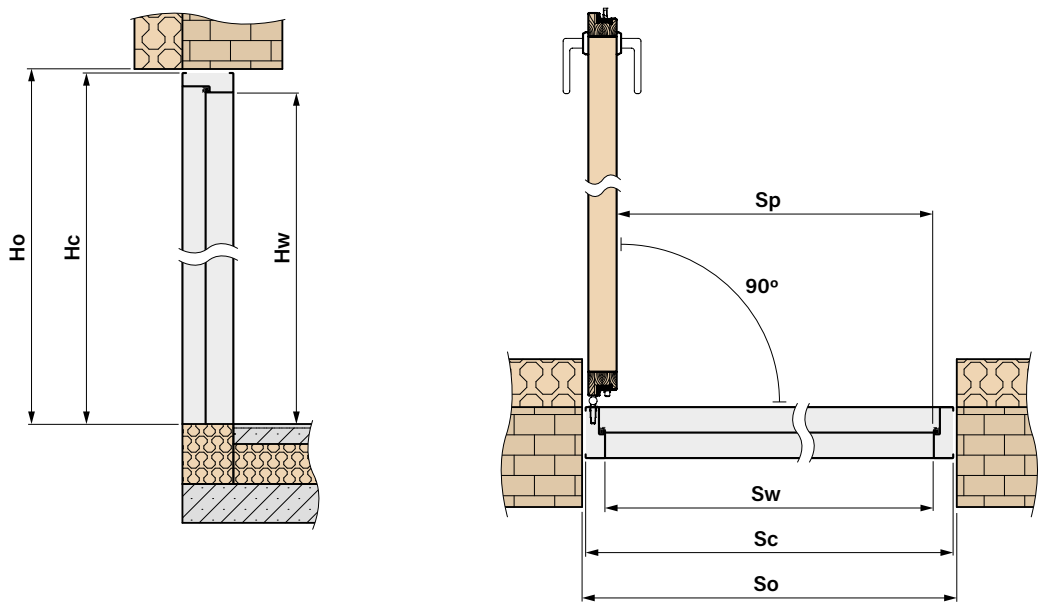


Top or side extension **30 mm** available for THERMO HOT 88



Top or side extension **28 mm** available for THERMO HOT 78, THERMO 78 and THERMO 64 constructions

TECHNICAL INFORMATION



INDIVIDUAL DOOR DIMENSIONS WITH DOOR FRAME



AVAILABLE WIDE Sc [mm]	
range from	770 mm up to 1210 mm every 10 mm ¹⁾



AVAILABLE HEIGHT Hc [mm]	
range from	1800 mm up to 2480 mm every 10 mm ¹⁾

¹⁾We rely on the standard dimension Sc and Hc for a given technology and reduce or increase this dimension by 10 mm. The final dimension must be within the specified width and height ranges.

BASIC DOOR DIMENSIONS



THERMO HOT 88

ALUMINIUM DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	957	2114	937	2104	756	2002	779
80	1007	2114	987	2104	806	2002	829
90N	1057	2114	1037	2104	856	2002	879
90	1107	2114	1087	2104	906	2002	929
100	1207	2114	1187	2104	1006	2002	1029



THERMO HOT 78

ALUMINIUM DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	947	2114	927	2104	756	2002	769
80	997	2114	977	2104	806	2002	819
90N	1047	2114	1027	2104	856	2002	869
90	1097	2114	1077	2104	906	2002	919
100	1197	2114	1177	2104	1006	2002	1019



THERMO 78

ALUMINIUM DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	932	2099	912	2089	756	2002	784
80	982	2099	962	2089	806	2002	834
90N	1032	2099	1012	2089	856	2002	884
90	1082	2099	1062	2089	906	2002	934
100	1182	2099	1162	2089	1006	2002	1034

STEEL DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	906	2088	890	2078	759	2005	789
80	956	2088	940	2078	809	2005	839
90N	1006	2088	990	2078	859	2005	889
90	1056	2088	1040	2078	909	2005	939
100	1156	2088	1140	2078	1009	2005	1039

CORNER STEEL FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	844	2058	890	2078	859	2005	789
80	894	2058	940	2078	809	2005	839
90N	944	2058	990	2078	859	2005	889
90	994	2058	1040	2078	909	2005	939
100	1094	2058	1140	2078	1009	2005	1039



THERMO 64


ALUMINIUM DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	918	2099	898	2089	756	2002	770
80	968	2099	948	2089	806	2002	820
90N	1018	2099	998	2089	856	2002	870
90	1068	2099	1048	2089	906	2002	920
100	1168	2099	1148	2089	1006	2002	1020

STEEL DOOR FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	891	2088	875	2078	759	2005	775
80	941	2088	925	2078	809	2005	825
90N	991	2088	975	2078	859	2005	875
90	1041	2088	1025	2078	909	2005	925
100	1141	2088	1125	2078	1009	2005	1025

CORNER STEEL FRAME							
Width	Wall opening width	Wall opening height	Overall frame width	Overall frame height	Clear opening	Height at the frame	Frame opening
	So	Ho	Sc	Hc	Sp	Hw	Sw
80N	835	2058	875	2078	756	2005	775
80	885	2058	925	2078	806	2005	825
90N	935	2058	975	2078	856	2005	875
90	985	2058	1025	2078	906	2005	925
100	1085	2058	1125	2078	1006	2005	1025


OPENING TYPES

Method A




HANDLE - HANDLE

Method B




HANDLE - HANDLE
ADDITIONAL LOCK

Method C




HANDLE -
DOOR KNOCKER

Method D




HANDLE -
DOOR KNOCKER
ADDITIONAL LOCK

Method E



DOOR KNOCKER -
DOOR KNOCKER

Method F



DOOR KNOCKER -
DOOR KNOCKER
ADDITIONAL LOCK

COMPONENTS FOR INDIVIDUAL OPENING MODES					
basic equipment for the opening mode					
Set A	Set B	Set C	Set D	Set E	Set F
- key knob cylinder	- set of 1-key system cylinders including one with a knob (we recommend mounting the knob on the main lock) - additional lock	- key knob cylinder	- set of 1-key system cylinders including one with a knob (we recommend mounting the knob on the main lock) - additional lock	- key knob cylinder	- set of 1-key system cylinders including one with a knob (we recommend mounting the knob on the main lock) - additional lock
+ selected design of the handle, knocker and accessories					
A	B	C	D	E	F
- handle	- handle - top escutcheon	- handle + slim escutcheon set - door knocker - knocker button - electric strike - door closer - power supply unit	- handle + slim escutcheon set - top escutcheon - door knocker - knocker button - electric strike - door closer - power supply unit	- slim escutcheon - 2 x door knocker - 2 x knocker button - electric strike - door closer - power supply unit	- slim escutcheon - upper slim escutcheon - 2 x door knocker - 2 x knocker button - electric strike - door closer - power supply unit

DOOR OPENING DIRECTION

RIGHT DOOR



Right door outwards opening



Right door inwards opening

LEFT DOOR











Left door inwards opening









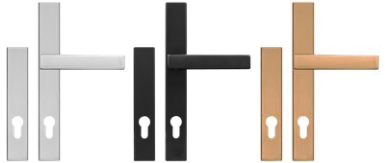





Left door outwards opening

ACCESSORIES




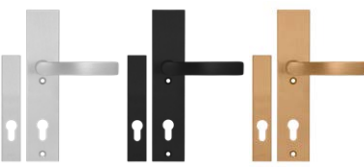

HARDWARE	
Set A	Set of basic equipment for opening mode A – key knob cylinder ¹⁾ (the selected handle must be added to the price)
Set B	Set of basic equipment elements for opening mode B – set of 1-key system inserts ¹⁾ including one with a knob, additional top lock (the selected handle and escutcheon must be added to the price)
Set C	Set of basic equipment elements for opening mode C – key knob cylinder ¹⁾ (the selected set of handle + slim escutcheon, knocker and button, electric strike, door closer and power supply must be added to the price)
Set D	Set of basic equipment elements for opening mode D – set of 1-key system inserts ¹⁾ including one with a knob, additional top lock (the selected set of handle + , escutcheon, top slim escutcheon, knocker and button, electric strike, door closer and power supply must be added to the price)
Set E	Set of basic equipment elements for opening mode E – key knob cylinder ¹⁾ (TWO selected door knockers, 2 buttons, slim escutcheon, electric strike, door closer and power supply must be added to the price)
Set F	Set of basic equipment elements for opening mode F – set of 1-key system inserts ¹⁾ including one with a knob, additional top lock (TWO selected door knockers, 2 buttons, slim escutcheon, top slim escutcheon, electric strike, door closer and power supply must be added to the price)
	Key-key cylinder ¹⁾ ; class B (complies with RC2) silver, black, old gold F4
	Key-knob cylinder ¹⁾ ; class B (complies with RC2) silver, black, old gold F4
	Set of key-key, key-knob 1-key system cylinders ¹⁾ ; class B (complies with RC2) silver, black, old gold F4
	Key-key cylinder ¹⁾ ; class C (complies with RC2) silver, black, old gold F4
	Key-knob cylinder ¹⁾ ; class C (complies with RC2) silver, black, old gold F4
	Set of key-key, key-knob 1-key system cylinders ¹⁾ ; class C (complies with RC2) silver, black, old gold F4
	No-class nickel cylinder ¹⁾ for temporary use during the construction, to prevent unauthorised access.
	Additional top lock, silver front plate











¹⁾ The set of two 1-key system cylinders has 5 keys. Single cylinders have 3 keys.

ACCESSORIES

HARDWARE	
	PASA handle or knob at an extra charge inox, black, old gold F4 (complies with RC2) A, B
	PASA rosette for the top lock; inox, black, old gold F4 (complies with RC2) B
	PASA handle or knob at an extra charge with Class C anti-drilling protection inox, black, old gold F4 A, B
	PASA rosette with anti-drilling protection for upper class C lock inox, black, old gold F4 B
	Set PASA handle + slim rosette (door with pull handle) inox, black, old gold F4; (complies with RC2) C, D
	Top rosette set PASA (top lock and pull handle) inox, black, old gold F4; (complies with RC2) D
	Set PASA slim handle + slim rosette (door with pull handle) inox, black, old gold F4; (complies with RC2) C, D
	PASA slim rosette for top lock (door with pull handle) inox, black, old gold F4; (complies with RC2) B, D, F
	PASA slim rosette (door with pull handle) inox, black, old gold F4; (complies with RC2) E, F
	HAGA handle or knob at an extra charge inox, black, old gold F4 (complies with RC2) A, B
	HAGA rosette for the top lock; inox, black, old gold F4 (complies with RC2) B
	ROYAL inox handle, black, old gold F4 (complies with RC2) A, B







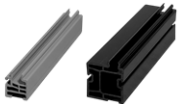






ACCESSORIES

HARDWARE		
	ROYAL rosette for the top lock; inox, black, old gold F4 (complies with RC2)	B
	ROYAL FLEX handle with anti-drilling protection class C inox, black, old gold F4	A, B
	ROYAL FLEX rosette for top lock anti-drilling protection class C inox, black, old gold F4	B
	SOLO GAJA handle + slim rosette (door with pull handle) inox, black, old gold F4; (complies with RC2)	C, D
	SOLO GAJA upper rosette set (upper lock and pull handle) inox, black, old gold F4; (complies with RC2)	D

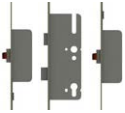








DOOR KNOCKERS		
	K35 inox stainless steel door pull handle, black ¹⁾ (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	KK35 inox stainless steel door pull handle, black ¹⁾ (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	Door pull handle KP inox stainless steel, black ¹⁾ (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	Door pull handle KPL2 inox stainless steel, black (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	Door pull handle O35 inox stainless steel, black (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	Door pull handle OP inox stainless steel, black (button opening option)	length 180 cm length 160 cm length 120 cm length 60 cm
	Door pull handle P6K inox stainless steel, black (no button opening option)	length 120 cm length 60 cm
	Door pull handle P60 inox stainless steel, black (no button opening option)	length 120 cm length 60 cm
	Door pull handle button + contactor + electrical installation + electric strike	
	2 x door pull handle button + contactor + electrical installation + electric strike	

¹⁾ Door knocker per dimension at an extra charge

ACCESSORIES

ACCESSORIES AT AN EXTRA CHARGE	
	Aluminium door frame THERMO 78 and THERMO 64 (as a standard for THERMO HOT 88 and THERMO HOT 78)
	Aluminium angle profile for connecting doors with side light at an angle of 90 degrees (one vertical)
	Frame extension 30 mm available for THERMO HOT 88 28 mm available for THERMO 64, THERMO 78 and THERMO HOT 78
	Hook-bolt multipoint lock and strike plate (aluminium frame only) black. Available only from height Hc = 1980 mm
	Wide-angle peephole mounted at a height from the bottom 1500 mm +/- 30 mm (black, inox, old gold)
	drop-down gasket
	PVC threshold extension used in doors and side lights (clip or screwed) height 20 mm and 35 mm, length 120 cm
	Threshold extension for doors, height from 70 to 250 mm, length 120 cm
	Threshold extension block for side light, height from 70 to 250 mm, length 120 cm
	Threshold extension block for side light, height from 70 to 250 mm, length 60 cm
	BOSTIK adhesive for threshold extensions, grey colour 430 g
	Expansion tape 58 mm, 5 m roll, expansion from 7 to 15 mm
	Hot installation tape 100 mm, length 1 m

ACCESSORIES

ACCESSORIES AT AN EXTRA CHARGE	
	Automatic multipoint lock with a strike plate (aluminium frame only). The automatic lock can only be used with aluminium frame and handle. It is not possible to use in the door with a pull handle, electric strike and top lock. A
	Electric-driven multipoint lock ROTO SAFE ENEO 4in1 (can be controlled with PIN code via keypad, smartphone with Bluetooth function, fingerprint, as well as RFID card or keychain) C, E
	Electric strike with a roll/day-night function (aluminium frame only)
	Power supply for electric strike C, D, E, F
	Magnetic sensor
	Silver or black door closer. A door closer is required with an electric strike. Option for at an extra charge: leaf opening lock ^{*)} C, D, E, F
	Silver or black rail door closer with opening support and an opening stop. A door closer is required with an electric strike. Option for at an extra charge: adjustable leaf opening lock ^{*)} C, D, E, F
	Concealed door closer with opening support, opening stop and leaf opening lock ^{*)} (only THERMO HOT 88 and THERMO HOT 78 doors). A door closer is required with an electric strike. C, D, E, F
	Steel door care kit: active cleaning foam and 400 ml preservative silicone

^{*)} The lock allows for safe holding of the leaf, exactly in the required position, at the opening angle from approx. 80 degrees to 120 degrees.

^{**)} Locking only at the opening angle 90 degrees.

Doors should be protected with roof overhang against sunlight and direct precipitation.
The width of the roofing shall not be less than the overall width of the door plus 1 metre. The depth shall not be less than 1 metre. The details shall include the instructions for installation of the door.

The warranty certificate and assembly manual are attached to the product
This catalogue provides indicative information and includes the products currently available.
The manufacturer reserves the right to modify prices and product availability without prior notice.
Actual colours in colour charts can differ from these indicated in this Product Guide. Please consult the colours with original colour charts available at our dealer centres. The photos in the catalogue are for illustrative purposes only and some differences in dimensional proportions of components may occur in different door leaves widths. We reserve the right to printing errors. This guide does not contain legally binding offers and was published for reference only.
Edition I/2023/A applies as of 1 June 2023.

The door should be selected on the basis of a basic design of a facility, prepared considering all applicable standards and provisions of law, as well as frequency and conditions of use. ERKADO offers several variants, but leaves the final choice to the Buyer, because only the Buyer or their representatives knows the purpose and conditions of the product ordered. Certificates can be downloaded from our website www.erkado.pl

doors are our world



MURTER

Exterior steel doors with the original LABEL panel bonded to the surface of the leaf, with MOUNTAIN PINE veneer with a matt surface.

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