

Series 2000 Entrance Door Price List

HÖRMANN



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Thermo46 / Thermo65 Entrance Doors





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For further information on Thermo46 and Thermo65 entrance doors, see our brochure.

Entrance door programme

Product description





					Thermo46 – steel TPS									
Product description		010	015	515	020 S	025 S	030 S	040 S	100	200	400 I	700 B	750 C	900 D
Door leaf structure														
Smooth sheet	"Modern"	•			•		•	•				•	•	•
Ribbed sheet	"Modern" (exterior)		•	•		•								
Panelled sheet	"Classic" (on both sides)								•	•	•			
Door leaf thickness							4	6 mm thi	ick					
Fully foamed With thermal break Exterior and interior ove	orlanning the leaf	•	•	•	•	•	•	•	•	•	•	•	•	•
Size ranges (see also														
Standard sizes (RAM)	page of	T				1000 \	2100 m	nm and 1	100 × 21	00 mm				
Special sizes (RAM)				"N/A	dern" ty		210011	iiii aiiu i	100 × 21	"Classic"	,	"Mc	dern" ty	ne R
special sizes (HAIVI)	700-1250 mm Width			IVIC	dem ty	Je A				Ciassic		IVIC	dem ty	pe b
	1875 – 2250 mm Height	•			•		•	•				•	•	
	800-1250 mm Width 1875-2250 mm Height													•
	875-1250 mm Width 1875-2250 mm Height		•	•		•								
	875-1100 mm Width 1875-2186 mm Height								•		•			
	875-1100 mm Width 1990-2186 mm Height									•				
Surface finish														
ensure trouble-free doc	faces, the material expansion is par operation.													
Standard				raffic wh			• based o	n RAL 9	016	•	•	•	•	•
		• Silk	matt, g	loss level			1 -				_			_
Color		. 17			•	•	•	•	•	•	•	•	•	•
JOIOT		PairSilkRAIRAIRAIRAIRAI	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 (d colours both side loss level Light ivon Flame rec Ruby red Purple red Gentian b	s, basec 35-40 9	I on the I % RA RA RA RA	RAL cold AL 6005 AL 7016 A AL 7035 AL 7040 \ AL 8003 (een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu	nite uminium ıminium	•
	Golden Oak	PairSilkRAIRAIRAIRAIRAI	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 (d colours both side loss level light ivon Flame red Ruby red Purple red Gentian b	s, basec 35-40 9	I on the I % RA RA RA RA	RAL cold AL 6005 AL 7016 A AL 7035 AL 7040 \ AL 8003 (Moss gre Anthracit Light gre Window Clay brov	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu	nite uminium ıminium	•
Decor Film coating, on both	Golden Oak Dark Oak	PairSilkRAIRAIRAIRAIRAI	preferred on matt, gl 1015 L 3000 F 3003 F 5010 C 5014 F	d colours both side loss level light ivor Flame rec Ruby red Purple rec Gentian b	s, basec 35 – 40 9 / lue lue	I on the I % RA RA RA RA RA	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 \ AL 8003 AL 8028	Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu	nite uminium ıminium metallic	
Decor Film coating, on both	Dark Oak	Pair Silk RAI	preferred on tend on a matt, gl 1015 L 3000 F 3003 F 3004 F 5010 C 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b Pigeon bl	s, basec 35 – 40 9	on the I	RAL cold NL 6005 I NL 7016 I NL 7035 I NL 7040 I NL 8003 I NL 8028 I	Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both	Dark Oak Night Oak	Pair Silk RAI RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3003 F . 3004 F . 5010 C . 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35-409	on the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both	Dark Oak Night Oak Winchester Oak	Pair Silk RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3000 F . 3004 F . 5010 C . 5014 F	d colours both side loss level Light ivon Flame rec Ruby red Purple red Gentian b	s, basec 35-409	On the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides	Dark Oak Night Oak	Pair Silk RAI RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3003 F . 3004 F . 5010 C . 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35-409	on the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee	Dark Oak Night Oak Winchester Oak	Pair Silk RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3000 F . 3004 F . 5010 C . 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35-409	On the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip t, additional EPDM form parts in	Pair Silk RAI RAI RAI RAI RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3000 F . 3004 F . 5010 C . 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35-409	On the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seeal in the bottom corners for seal in the frame Lock Multiple-point locking w	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip additional EPDM form parts in additional sealing, incl. brush	Pair Silk RAI RAI RAI RAI RAI RAI RAI RAI	preferred on matt, gl 1015 L 3000 F . 3000 F . 3004 F . 5010 C . 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35-409	On the I	RAL cold AL 6005 AL 7016 AL 7035 AL 7040 AL 8003 AL 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn	R R R	AL 9001 AL 9002 AL 9006 AL 9007	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seeal in the bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/ho	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip additional EPDM form parts in additional sealing, incl. brush	Pair Silk	preferred on matt, gl 1015 L 3000 F L 3000 F L 3004 F L 5010 C L 5014 F L 5010 C L 5	d colours both side loss level ight ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35 – 40 9	On the I	RAL cold &L 6005 &L 7016 &L 7035 &L 7040 &L 8003 &L 8028	our chart Moss gre Anthracit Light gre Window Clay bro Terra bro	een ee grey y grey wn wn	R R R C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/hotelectric strikes	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) sok bolt combination	Pair Silk	preferred on matt, gl 1015 L 3000 F L 3000 F L 3004 F L 5010 C L 5014 F L 5010 C L 5	d colours both side loss level ight ivon Flame rec Ruby red Purple rec Gentian b	s, basec 35 – 40 9	On the I	RAL cold &L 6005 &L 7016 &L 7035 &L 7040 &L 8003 &L 8028	our chart Moss gre Anthracit Light gre Window Clay bro Terra bro	een ee grey y grey wn wn	R R R C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium iminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/hotelectric strikes Electric strike with day	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) sok bolt combination	Pair Silk RAI RAI RAI RAI RAI PAI PAIR PAIR PAIR	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 C L 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b Pigeon bl	s, basec 35 – 40 5	On the I	RAL cold L 6005 L 7016 L 7035 L 7040 L 8003 L 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn wn	R. R. R. C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium metallic	•
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom sheeboth bottom corners for seal in the frame Lock	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) sok bolt combination	Pair Silk RAI RAI RAI RAI RAI PAI PAIR PAIR PAIR	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 C L 5014 F	d colours both side loss level light ivon Flame rec Ruby red Purple rec Gentian b Pigeon bl	s, basec 35 – 40 5	On the I	RAL cold L 6005 L 7016 L 7035 L 7040 L 8003 L 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn wn	R. R. R. C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium metallic	•
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/hotelectric strikes Electric strike with day of the seal in the seal in the seal in the frame	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) ook bolt combination catch (separate)	Pair Silk RAI	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 C L 5014 F	d colours both side loss level light ivon flame rec Ruby red Purple rec Gentian b igeon bl	s, basec 35 – 40 5	On the I	RAL cold L 6005 L 7016 L 7035 L 7040 L 8003 L 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn wn	R. R. R. C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/hoselectric strikes Electric strike with day of security bolts Bx anti-leverage guard Thermal insulation variables	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) ook bolt combination catch (separate)	Pair Silk RAI	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 C L 5014 F	d colours both side loss level light ivon flame rec Ruby red Purple rec Gentian b igeon bl	s, basec 35 – 40 5	On the I	RAL cold L 6005 L 7016 L 7035 L 7040 L 8003 L 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn wn	R. R. R. C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium metallic	
Decor Film coating, on both sides Seals 4-sided, double EPDM seal in the bottom shee both bottom corners for seal in the frame Lock Multiple-point locking wand 2 bolts, pivoting/hc Electric strikes Electric strike with day of the seal in the same shadow of the search of the search of the seal in the seal	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 seals, black, with continuous lip st, additional EPDM form parts in r additional sealing, incl. brush with main lock (with soft lock latch) ook bolt combination catch (separate)	Pair Silk RAI RAI RAI RAI RAI O O O O O O O O O O O O O O O O O O O	preferred on matt, gl 1015 L 3000 F L 3004 F L 5010 C L 5014 F	d colours both side loss level light ivon flame rec Ruby red Purple rec Gentian b igeon bl	s, basec 35 – 40 5	On the I	RAL cold L 6005 L 7016 L 7035 L 7040 L 8003 L 8028	our chart Moss gre Anthracit Light gre Window Clay brov Terra bro	een ee grey y grey wn wn	R. R. R. C	AL 9001 AL 9002 AL 9006 AL 9007 H 703 Ar	Cream Grey wh White al Grey alu nthracite	nite uminium metallic	

Entrance door programme

Product description





	Thermo46 – steel TPS													
Product description		010	015	515	020 S	025 S	030 S	040 S	100	200 I	400 I	700 B	750 C	900 D
EN 12208 - leak tightness								Class 2	4		-	_		_
EN 12219 - differential of	climate behaviour							3c/2d/2	e e					
Version in RC 2														
Attack side = closing sid	de (opposite hinge side)													
RC 2 with aluminium fram	e, hook bolt lock, profile cylinder otection as well as security card	0	0	0					0					
	e, hook bolt lock, profile cylinder otection as well as security card											0	0	0
Size ranges														
	832-1250 mm Width 1875-2250 mm Height	0										0	0	0
Size ranges in which an RC 2 version is possible	875 – 1250 mm Width 1875 – 2250 mm Height		0	0										
possible	875-1100 mm Width 1875-2186 mm Height								0					
Fittings														
Hinges														
3 two-part guide rollers (1 cover caps (stainless stee	80 mm), 3-way adjustable with	•	•	•	•	•	•	•	•	•	•	•	•	•
Door handle (exterior)														
Exterior handle HB 14-2,	brushed stainless steel	•	•	•	•	•	•	•	•	•	•	0	0	0
Exterior handle HB 38-2,		0	0	0	0	0	0	0	0	0	0	•	•	•
Door handle (interior)														
Stainless steel lever handl	le	•	•	•	•	•	•	•	•	•	•	•	•	•
Rose escutcheon (exter	rior and interior)													
Oval stainless-steel profile	cylinder rose escutcheons	•	•	•	•	•	•	•	•	•	•	•	•	•
Profile cylinder														
Cylinder length 35.5 × 27.	5 mm with 5 keys	•	•	•	•	•	•	•	•	•	•	•	•	•
Glazing frame														
Round-style plastic, clippe	ed				•	•	•	•						
Profile-style plastic, clippe With surface-mounted pla										•	•			
Stainless steel, bonded												•	•	•
Glazing (For details on gla	ass design, see style descriptions	on pag	es 8 – 10	0)										
S Insulated double glazio	ng, Satinato				•	•	•	•						
I Insulated double glazin hammered finish	ng, cathedral glass small									•	•			
B Insulated triple glazing with 7 clear stripes	, sand-blasted float											•		
C Insulated triple glazing with 5 clear stripes	, sand-blasted float												•	
D Insulated triple glazing with 4 clear stripes	, sand-blasted float													•
Frames														
	e with aluminium / plastic al break, colour matching	•	•	•	•	•	•	•	•	•	•	•	•	•
Side element / transom	light							-						
For doors opening inwards		0	0	0	0	0	0	0	0	0	0	0	0	0

Entrance door programme

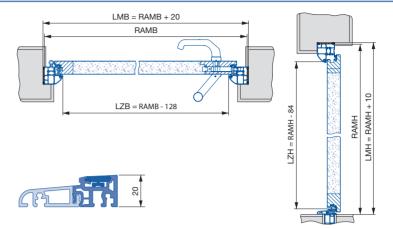
Technical presentation of door set



TPS entrance doors with aluminium frame (profile A1 shown in the drawing)

Standard sizes							
Overall frame dimension Ordering size	Structural opening	Clear frame dimensions					
1000 × 2100	1020×2110	872×2016					
1100 × 2100	1120×2110	972×2016					

Special sizes								
TPS	Overall frame dimension							
Styles	Width	Height						
010/020/030/040/ 700/750	700 – 1250	1875 – 2250						
900	800 – 1250	1875 – 2250						
015/025/515	875 – 1250	1875 – 2250						
100/400	875 – 1100	1875-2186						
200	875 – 1100	1990-2186						



RAMB RAMH

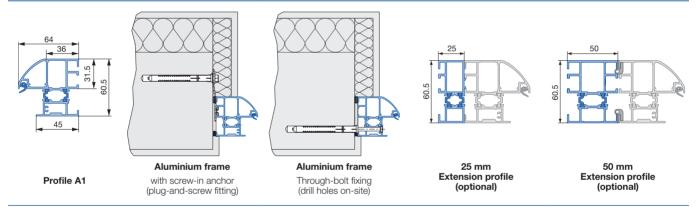
Overall frame width Overall frame height

LWB LWH LZB

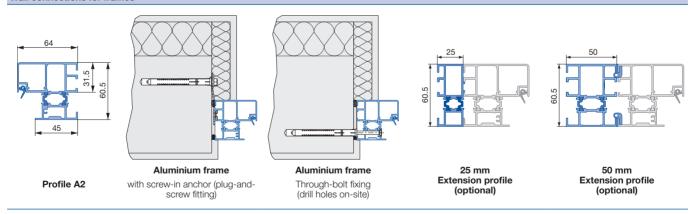
LZH

Structural opening width Structural opening height Clear frame dimension width Clear frame dimension height

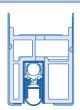
Wall connections for frames



Wall connections for frames



Retractable bottom seal (optional)



Entrance door programme



Technical presentation of door set with side element / transom light

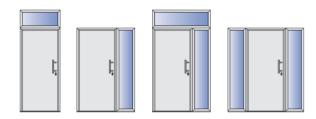
TPS entrance doors with side element/transom light

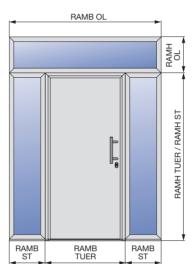
Standard sizes – Side element								
TPS Styles	Overall fram Width	e dimension Height						
010/015/515/020/025/030/ 040/700/750/900/100/200/400	400	2100						

Special sizes - Side element							
TPS	Overall frame dimensio						
Styles	Width	Height					
010/015/515/040							
020/025/030/700/750/900	See pages 22 and 23						
100/200/400							

Size range – Transom light								
TPS	Overall frame dimension							
Styles	Width	Height						
All styles	see page 22							

Clear view								
	Width	Height						
Side element	RAM side element – 116	RAM side element – 138						
Transom light	RAM transom light – 116	RAM transom light – 116						







LMB RAMB

LZB

LZH Structural opening width Structural opening height Clear frame dimension width Clear frame dimension height Glazing clear view width Glazing clear view height

RAMH

LDVB

Entrance door programme

Presentation of door set with glazing

TPS 700B



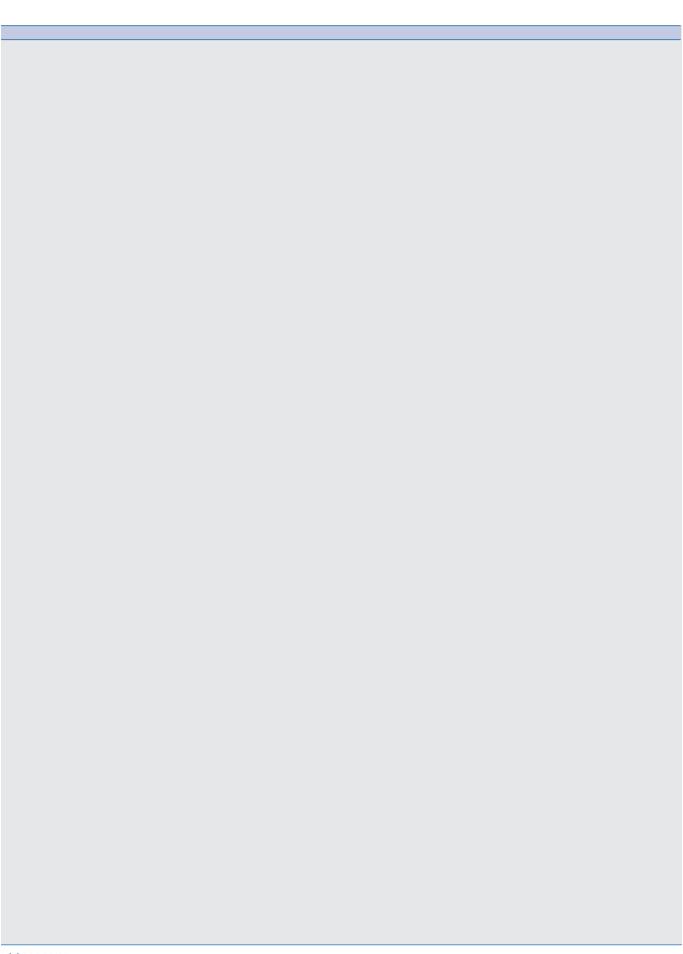
Clear view for styles with glazing 172 172 TPS 020S TPS 025S TPS 030S TPS 040S TPS 200I

TPS 750C

TPS 900D

TPS 400I

Notes and Sketches



Thermo46 Entrance Doors - Steel

Entrance door programme



For a produc	ct description, see from page 2								
in the sa Aluminiu	or leaf overlapping the leaf, with thermal breame colour me rolour m frame point lock	ak, exterior and interior							
Color Decor	1 7								
\C	Obd. describtion	O: (DAM)	DAL 0040	Profile A1	D	DAI 0040	Profile A2	D	
View	Style description Style TPS 010	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor	
4-	Smooth sheet Handle HB 14-2	1000×2100 1100×2100	1077	1193	1309	1077	1193	1309	
Ę		From 700 × 1875 to 1250 × 2250	1435	1551	1667	1435	1551	1667	
		► U _D value for size 1230	×2180 mm: 1.	1 W/(m²·K)					
	Style TPS 015								
	Ribbed sheet with 7 ribs (exterior) Handle HB 14-2	1000×2100 1100×2100	1121	1237	1353	1121	1237	1353	
-		From 875 × 1875 to 1250 × 2250	1479	1595	1711	1479	1595	1711	
	Obd. T00 545	► U _D value for size 1230	×2180 mm: 1.	1 W/(m²·K)					
	Style TPS 515								
	Ribbed sheet with 3 ribs (exterior)Handle HB 14-2	1000 × 2100 1100 × 2100	1121	1237	1353	1121	1237	1353	
) ₈		From 875 × 1875 to 1250 × 2250	1479	1595	1711	1479	1595	1711	
		► U _D value for size 1230	×2180 mm: 1.	1 W/(m²·K)					
	Style TPS 020S								
ŀ	Smooth sheet 2 panes of insulated glass, exterior laminated safety glass – interior	1000×2100 1100×2100	1319	1702	1819	1319	1702	1819	
J-	single-pane safety glass Satinato Plastic glazing frame in door leaf colour (exception: decor surface finish*)	From 700×1875 to 1250×2250	1677	2060	2177	1677	2060	2177	
	Handle HB 14-2	► U _D value for size 1230	×2180 mm: 1.	4 W/(m²·K)					
	Style TPS 025S								
-	Ribbed sheet with 7 ribs (exterior) 2 panes of insulated glass, exterior laminated safety glass – interior	1000×2100 1100×2100	1396	1779	1896	1396	1779	1896	
- -	single-pane safety glass Satinato Plastic glazing frame in door leaf colour (exception: decor surface finish*)	From 875 × 1875 to 1250 × 2250	1754	2137	2254	1754	2137	2254	
	Handle HB 14-2 U _D value for size 1230 × 2180 mm: 1.4 W/(m²-K)								

Accessories and optional extras

See from page 11

 $^{^{\}star}$ For decor door surface finishes, the plastic glazing frames are coated in a colour matching the decor.

Thermo46 Entrance Doors - Steel

Entrance door programme



For a product description, see from page 2

- Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Multiple-point lock

Color Decor 17 preferred colours (see page 2)

Golden Oak, Dark Oak, Night Oak, Winchester Oak and Titan Metallic CH 703





				Profile A1			Profile A2	
View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style TPS 030S							
= ţ	 Smooth sheet 2 panes of insulated glass, exterior laminated safety glass – interior 	1000×2100 1100×2100	1528	1911	2028	1528	1911	2028
	single-pane safety glass Satinato • Plastic glazing frame in door leaf colour (exception: decor surface finish*)	From 700 × 1875 to 1250 × 2250	1886	2269	2386	1886	2269	2386
	Handle HB 14-2	► U _D value for size 1230	× 2180 mm: 1.	3 W/(m²⋅K)				

Style TPS 040S

- Smooth sheet
- 2 panes of insulated glass, exterior laminated safety glass interior single-pane safety glass Satinato
- Plastic glazing frame in door leaf colour (exception: decor surface finish*)
- Handle HB 14-2

	1000×2100 1100×2100	1319	1702	1819	1319	1702	1819
From to	700 × 1875 1250 × 2250	1677	2060	2177	1677	2060	2177

► U_D value for size 1230 × 2180 mm: 1.2 W/(m²·K)



Style TPS 100

- Panelled sheet (on both sides)
- Handle HB 14-2

	1000 × 2100 1100 × 2100	1121	1237	-	1121	1237	-
From to	875×1875 1100×2186	1479	1595	-	1479	1595	-

► U_D value for size 1230 × 2180 mm: 1.1 W/(m²·K)



Style TPS 200I

- Panelled sheet (on both sides)
- 2 panes of insulated glass, exterior single-pane safety glass – interior single-pane safety cathedral glass with small hammered finish
- Plastic glazing frame with surface-mounted rails
- Handle HB 14-2

_	1000×2100 1100×2100	1396	1779	-	1396	1779	-
From to	875×1990 1100×2186	1754	2137	-	1754	2137	_

► U_D value for size 1230 × 2180 mm: 1.2 W/(m²·K)



Style TPS 400I

- Panelled sheet (on both sides)
- 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety cathedral glass with small hammered finish
- Plastic glazing frame with surfacemounted rails
- Handle HB 14-2

	1000×2100	1270	1653	_	1270	1653	
	1100×2100	1270	1000	_	1270	1000	_
From	875×1875	1600	0011		1600	0011	
to	1100×2186	1628	2011	_	1628	2011	_

► U_D value for size 1230 × 2180 mm: 1.5 W/(m²·K)

Accessories and optional extras

See from page 11

For decor door surface finishes, the plastic glazing frames are coated in a colour matching the decor.

Thermo46 Entrance Doors - Steel

Entrance door programme



For a product description, see from page 2

- Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Multiple-point lock

Color Decor 17 preferred colours (see page 2)

Golden Oak, Dark Oak, Night Oak, Winchester Oak and Titan Metallic CH 703





				Profile A1			Profile A2	
View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style TPS 700B							
1	 Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – sand- 	1000 × 2100 1100 × 2100	1528	1644	1760	1528	1644	1760
-	blasted float with 7 clear stripes – interior single-pane safety glass Stainless steel glazing frame Handle HB 38-2	From 700 × 1875 to 1250 × 2250	1886	2002	2118	1886	2002	2118
Ш	■ natitule nb 30-2	► U _D value for size 1230	×2180 mm: 1.	3 W/(m²·K)				



Style TPS 750C

- Smooth sheet
- 3 panes of insulated glass, exterior laminated safety glass sand-blasted float with 5 clear stripes interior laminated safety glass
- Stainless steel glazing frame Handle HB 38-2

	1000×2100 1100×2100	1528	1644	1760	1528	1644	1760
From to	700 × 1875 1250 × 2250	1886	2002	2118	1886	2002	2118

► U_D value for size 1230 × 2180 mm: 1.2 W/(m²·K)



Style TPS 900D

- Smooth sheet
- 3 panes of insulated glass, exterior laminated safety glass sand-blasted float with 4 clear stripes interior single-pane safety glass
- Stainless steel glazing frame Handle HB 38-2

	1000×2100 1100×2100	1576	1692	1808	1576	1692	1808
From to	800 × 1875 1250 × 2250	1934	2050	2166	1934	2050	2166

► U_D value for size 1230 × 2180 mm: 1.2 W/(m²·K)

Entrance door programme



Exterior door handles (included in	n door price)			£
3330	 Handle HB 14-2 Brushed stainless steel Standard with styles TPS 010, TPS 015, TPS 020, TPS 025, TPS 030, TPS 040, TPS 100, TPS 200, TPS 400 and TPS 515 	Surcharge for conversion to handle HB 14-2		128
10000	Handle HB 38-2 • Brushed stainless steel • Standard with styles TPS 700, TPS 750 and TPS 900	Surcharge for conversion to handle HB 38-2		128
10000	Handle HB 38-3 • Brushed stainless steel	Surcharge for conversion to handle HB 38-3		128
Rose escutcheon			Surcharges	£
	Exterior oval rose escutcheon		Each	47
	(screwed)		Lacii	
ES 0 fittings	Including profile cylinder with 5 keys		Surcharges	£
ES 0 fittings		Stainless steel		
ES 0 fittings	Including profile cylinder with 5 keys	Stainless steel Stainless steel	Surcharges	£
ES 1 fittings	Including profile cylinder with 5 keys Knob/lever handle Lever handle/lever handle Including profile cylinder with 5 keys		Surcharges Each	£ 128
ES 1 fittings	Including profile cylinder with 5 keys Knob/lever handle Lever handle/lever handle		Surcharges Each	128 128
ES 1 fittings	Including profile cylinder with 5 keys Knob/lever handle Lever handle/lever handle Including profile cylinder with 5 keys		Surcharges Each	128 128

Entrance door programme



Rose escutcheons	Including profile cylinder with 5 keys	Surcharges	£
Note: The rose escutcheons are only pos	ssible from a RAM width of 900 mm for the style	TPS 400.	
	Knob/lever handle, type D-110	Stainless steel Each	128
	Lever handle / lever handle, type D-110	Stainless steel Each	128
	Lever handle / lever handle, type D-210	Stainless steel Each	128
	Lever handle / lever handle, type D-310	Stainless steel Each	128
	Lever handle / lever handle, type D-510	Stainless steel Each	128
Calculation example			£
Conversion TPS 020 with HB 14-2 to HB 38-2		Style TPS 020 in RAL 9016 with profile A1 (standard size) + Conversion from handle HB 14-2 to handle HB 38-2 = Total	1319 128 1447
Conversion TPS 700 with HB 38-2 to Fitting ES 1	→ []	Style TPS 700 in RAL 9016 with profile A1 (standard size) + Surcharge for ES 1 stainless steel knob/lever handle fitting = Total	1528 206 1734
Advanced handle and letter p	plate options for styles TPS 100, TPS 200	and TPS 400	£
	plate only TPS 100, TPS 200 and TPS 400		50
Prepared for letter drop (TPS 010, 040, 100, 200, 400)		surcharge per door	£ 40
	ail in the side element (only in RAL 9016 and in the side element (not milled)	Colour) per side element	215
Rail	Glazing separative horizontal rail in the side element (milled) Glazing separative horizontal rail	per side element	254
• m	nilled for installation of a letter plate rom size ≥ 450 mm (width)		

Entrance door programme



Emergency exit lock acc. to EN	179		Surcharges	£
Note: The rose escutcheons are only post	sible from a RAM width of 900 mm for the style TPS 400.			
	Multiple-point locking with anti-panic function E Panic lock with stainless steel lock cover, distance 92 mm for the size range 1990 – 2250 mm		Each	162
	Lever/knob handle set, rose escutcheon	Black plastic	Each	132
0	prepared for profile cylinder	Anodised aluminium (F1)	Each	206
		Brushed stainless steel	Each	266
	Multiple-point locking with passage function D Panic lock with stainless steel lock cover, distance 92 mm for the size range 1990–2250 mm		Each	222
	Anti-panic lever handle set with split spindle, rose escutcheon	Black plastic	Each	132
\mathcal{A}	prepared for profile cylinder	Anodised aluminium (F1) Brushed stainless steel	Each Each	206 266
		Diddied Stailless Steel	Laci	200
	Door set opening outwards (all approved characteristics will no longer apply!)		Per door	75

Entrance door programme

Accessories



Profile cylinder				£
	Profile cylinder (35.5 + 27.5 mm)	With 8 keys	Each	50
	For HB 14-2, HB 38-2 and HB 38-3 push bars	With 10 keys	Each	59
	Profile cylinder (40.5 + 31.5 mm)	With 5 keys	Each	37
	For ES 0 fittings	With 8 keys	Each	50
		With 10 keys	Each	59
	Profile cylinder (40.5 + 31.5 mm) with drilling	With 5 keys	Each	79
	and pull-off protection and security card	With 8 keys	Each	105
	For fittings ES 1 and push bar with security rose escutcheon ES 1	With 10 keys	Each	122
	For rose escutcheons	With 5 keys	Each	37
		With 8 keys	Each	50
		With 10 keys	Each	59
	Profile cylinder, keys to pass	With 5 keys	Each	37
U	for push bar or fittings ES 0	With 8 keys	Each	50
	Note: No keys to pass for the profile cylinder from the	With 10 keys	Each	59
	fitting pack!			
	Profile cylinder, keys to pass, with drilling and	With 5 keys	Each	79
	pull-off protection and security card for ES 1 fittings	With 8 keys	Each	105
	Note:	With 10 keys	Each	122
	No keys to pass for the profile cylinder from the fitting pack!			

Colours of doo	colours of door leaf and frame differ		Door leaf	Frame	Price for entrance door with surface
Example	Door leaf	Frame	RAL 9016	Color	Color
	Anthracite grey Traffic white	Traffic white	RAL 9016	Decor	Decor
			Color	RAL 9016	Color
		Color	Decor	Decor	
			Decor	RAL 9016	Decor
		Decor	Color	Decor	



Retractable bottom seal (Frame without threshold)

 $\label{eq:Note:Theta} \textbf{Note:} \\ \text{The thermal insulation (U_D) and water-tightness under heavy rain performance characteristics are limited!}$

£

283

Each

Entrance door programme



Profiles						£
	Bottom spacer profile	Length up to 1250 mm	Height	30 mm	Each	26
			Height	60 mm	Each	51
			Height	90 mm	Each	76
			Height	120 mm	Each	102
			Height	150 mm	Each	127
		Length up to 2250 mm	Height	30 mm	Each	42
			Height	60 mm	Each	84
			Height	90 mm	Each	126
			Height	120 mm	Each	168
			Height	150 mm	Each	209
		Length up to 3250 mm	Height	30 mm	Each	61
V			Height	60 mm	Each	121
			Height	90 mm	Each	182
			Height	120 mm	Each	242
			Height	150 mm	Each	303
	Extension profile 25 mm	RAL 9016			Per m	53
	Dimensions (W × D): 25 × 60.5 mm	Color			Per m	63
25		Golden Oak, Dark Oak, Nig	aht Oak Winc	hester Oak	Per m	66
		Titan Metallic CH 703	grit Odit, vviilo	riootor our,	1 01 111	
	Extension profile 50 mm Dimensions (W × D): 50 × 60.5 mm	Color Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703			Per m Per m	59 69 72
	Cover profile	RAL 9016			Per box	120
	Per package 2 × 2300 mm and 1 × 1300 mm Dimensions (W × D): 50 × 5 mm	Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703			Per box	161
	Profiles sufficient for a door without side elements/transom light	The state of the s				
	Supplementary profile (on 3 sides)	RAL 9016			Per door	247
	Width 20 mm, mitred, incl. corner bracket and fitting screws	Color			Per door	310
	inaning concerns	Golden Oak, Dark Oak, Tit	an Metallic Ch	1703	Per door	321

Entrance door programme



Door closer				£
	Door leaf prepared for overhead door (reinforcement in door leaf)	closer	Each	30
	Overhead door closer HDC 35 for fittir For aluminium frame profile A1 or A2	g on the opening side (hinge side)	Each	175
	Overhead door closer HDC 35 for fittir For aluminium frame profile A2	g on the closing side (opposite hinge side)	Each	175
	Mechanical hold-open device		Each	66
e i i e e e e e e e e e e e e e e e e e				
Accessories				£
	Electric strike with day catch (separate)		Each	82
	Reed contact (separate) door leaf and frame prepared		Each	102
	Door set opening outwards (all approved characteristics will no longer	apply!)	Per door	75
	Spyhole (fitted) (only for TPS 010, TPS 015, TPS 100, TPS	S 200, TPS 400 and TPS 515)	Each	51
	// NEW Spyhole, with thermal break (fitted) (only for TPS 010, TPS 015, TPS 100, TPS	S 200, TPS 400 and TPS 515)	Each	102
	Rain canopy Anodised aluminium		Each	24
	Door drip	RAL 9016 Traffic white	Each	35
		Stainless steel look	Each	52
	Door drip	Stainless steel	Each	210
	// NEW			
	Stainless steel cleaner and care produ (150 ml)	ict	Each	32

Entrance door programme



Accessories				£
	Stainless steel bottom sheet on the exterior (separate) Bottom sheet height 110 mm Size range of heights for style			
	Style	Height (RAM)		
	TPS 010/TPS 040	1875 – 2250 mm	Per door	180
	TPS 015/TPS 020/TPS 025/TPS 030/TPS 100/ TPS 200/TPS 400/TPS 515/TPS 700/TPS 750/TPS 900	2050 – 2250 mm	i di dodi	100
	Note: Not in combination with embellishments in stainless steel look, view 451 751.	, 454, 457, 459, 750 and		
Fitting material				£
(10x)	Fitting set 10 × screws and 10 × plugs		Per set	24
00000	Screw-in anchor set Length 280 mm (8 × anchors)		Per set	29
	Pre-compressed sealing strip (56 mm wide) for groove widths from 6–15 mm (for fitting according to the state of technology)		Per roll	88

Entrance door programme

Accessories





Entrance doo	r in RC 2 vers	sion (for a p	roduct des	cription, see	page 2)				£
Attack side =	closing side	(opposite hi	nge side)						
RC 2			Package HB escutcheon	14-2 with security rose		Stainless steel	Per door	132	
		ES 1 fittings		Knob/lever handle	Stainless steel	Per door	206		
TPS 010	D TPS 015	TPS 515	TPS 100			Lever handle / lever handle	Stainless steel	Per door	206
RC 2	П.	1.			38-2 with security rose and safety glass (P4A)		Stainless steel	Per door	242
				Fittings ES 1	and safety glass (P4A)	Knob/lever handle	Stainless steel	Per door	316
TPS 700	TPS 750	TPS 900				Lever handle / lever handle	Stainless steel	Per door	316
110700	110700	11 0 300							
Approved size	e range for R	C 2 version	for each st	yle					
	TPS 01	0 TPS 700	TPS 750	TPS 900	TPS 100		TPS 015	TPS 515	
Width			2-1250	11 0 000	875-1100		875-		
Height			75-2250		1875-2186			-2250	
Example for o	alculating ar	entrance o	loor in an F	C 2 version					£
Co TPS 700 Package HB rose 6	nversion) with HB 38- to 38-2 with se escutcheon	2 curity		→ -		00 in RAL 9016 with pro for package HB 38-2 w	,	*	1528 242 1770
Secured By D									£
Secui	sed by Design	sec	urity uparade	e to help comb	ion with the Association of Chief Poat crime. The fully accredited door omplete with registration card and 3	will come supplied			117
Police Pro	eferred Specification	Ava	ilable on styl	es 100, 700, 9	00, 010, 030, 040 and 015				

Entrance door programme





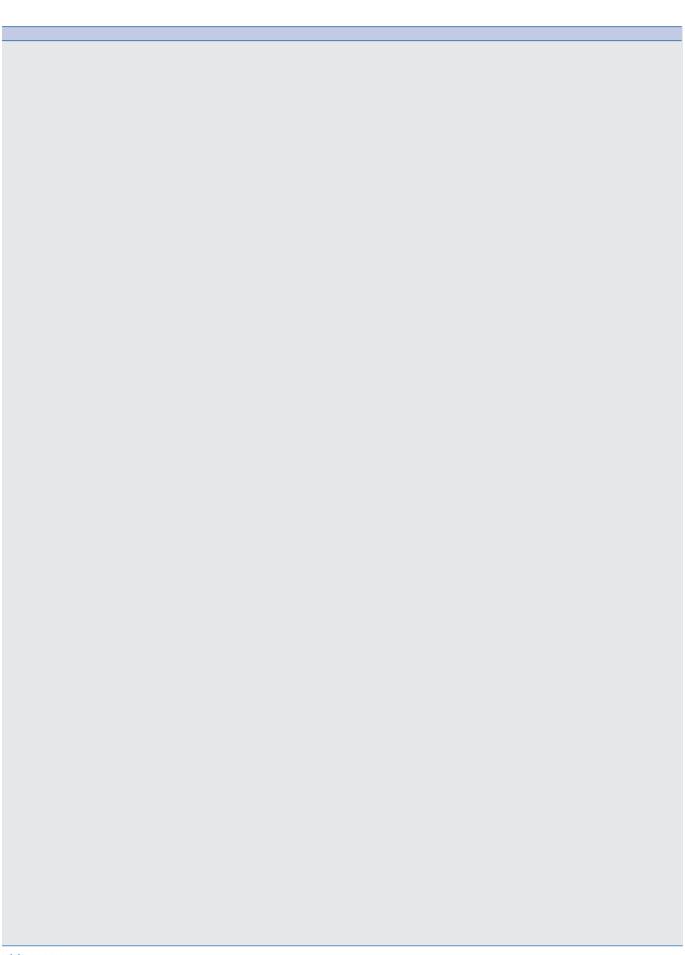
Embellishments in s	stainless steel	look for style TPS 010 (on the exterior)		Surcharge	£
	View 451	Stainless steel frames Overall dimension 240 × 240 mm Inside dimension 160 × 160 mm	Style TPS 010	Per door	243
	View 454	Stainless steel frames Overall dimension 145 × 145 mm	Style TPS 010	Per door	243
	View 457	Curved stainless steel frames	Style TPS 010	Per door	243
	View 459	Stainless steel rings Overall dimension Ø 240 mm Inside dimension Ø 160 mm	Style TPS 010	Per door	243
	View 750	Stainless steel frame over entire leaf height	Style TPS 010	Per door	243
	View 751	3 parallel stainless steel strips over the entire leaf height	Style TPS 010	Per door	243

Entrance door programme



Embellishments in	n stainless steel l	ook (on the exteri	or)			£
TPS 015	TPS 025	TPS 515	 Embellishment in stainless steel look view 400 Inlay length 577 mm per rib for styles TPS 015 and 515 Inlay length 351 mm per rib for style TPS 025 	Style TPS 015 Style TPS 025 Style TPS 515	Per door Per door Per door	189 189 126
			Embellishment in stainless steel look view 401 Inlay length 118 mm per rib	Style TPS 015 Style TPS 515	Per door Per door	189 126
TPS 015	TPS 025	TPS 515	Embellishment in stainless steel look view 402 Inlay length 118 mm per rib	Style TPS 015 Style TPS 025 Style TPS 515	Per door Per door Per door	189 189 126
TPS 015		TPS 515	Embellishment in stainless steel look view 403 Inlay length 2 × 118 mm per rib	Style TPS 015 Style TPS 515	Per door Per door	189 126

Notes and Sketches



Entrance door programme

Side elements and transom lights



Side element

Fixed side element assembly

- Not possible for door assemblies opening outwards!
- Not possible in conjunction with RC 2!

Standard size					
	400				
		2100			

Ordering sizes RAM (mm) Width × height	Glass	RAL 9016	Color	Decor
	Clear glass	759	882	921
	Satinato	759	882	921
400×2100	Cathedral glass	759	882	921
100 × 2 100	Sand-blasted float	759	882	921
	Sand-blasted float with clear stripes	1279	1402	1442

Side element

Fixed side element assembly

Note:

- Not possible for door assemblies opening outwards!
- Not possible in conjunction with RC 2!

Special sizes				
	RAMB	1		
		RAMH		

Ordering sizes RAM up to (mm) Width×height	Glass	RAL 9016	Color	Decor
From 300 × 700 to 500 × 2250	Clear glass, Satinato cathedral glass or sand-blasted float	944	1067	1107
to 1000×2250 *	according to overview on page 23	1128	1251	1290
From 300 × 1875 to 500 × 2250	Sand-blasted float with clear stripes according to overview on page 23	1602	1725	1765
to 1000 × 2250 *		1784	1907	1946

Only possible without transom light Door set with side element does not contribute to the static equilibrium. Statics must be ensured by the building structure.

Transom light

Fixed transom light assembly

Note:

- Not possible for door assemblies opening outwards!Not possible in conjunction with RC 2!

	RAMB	_	
			RAMH
		1	

Ordering sizes RAM (mm) Width×height	Glass	RAL 9016	Color	Decor
From 700 × 300 to 1250 × 500	Clear glass, Satinato, cathedral glass or sand- blasted float according to overview on page 23	714	837	876
to 2250 × 500		944	1067	1107

 Overall frame width RAMB RAMH = Overall frame height

Entrance door programme

Overview of panels/glass for side elements



Infill/size range

Glass design: Exterior pane clear laminated safety glass - interior pane

		•	nated safety glass		Glass	Size ı	ange
\square		Style			(Interior pane)	Side element	Transom light
	TPS 010 TPS 015 TPS 515				Satinato single-pane safety glass Sand-blasted laminated safety glass (without clear stripes) Clear laminated safety glass	Width 300 – 1000 mm Height 700 – 2250 mm	Width 700-2250 mm Height 300-500 mm
"Modern" type A				Satinato single-pane safety glass Laminated safety glass, clear	Width 300 – 1000 mm Height 700 – 2250 mm	Width 700-2250 mm Height 300-500 mm	
	TPS 040				Satinato single-pane safety glass Laminated safety glass, clear	Width 300 – 1000 mm Height 700 – 2250 mm	Width 700 – 2250 mm Height 300 – 500 mm
"Classic"	TPS 100	TPS 200	TPS 400		Single-pane safety cathedral glass Laminated safety glass, clear	Width 300 – 1000 mm Height 700 – 2186 mm	Width 875-2100 mm Height 300-500 mm
"Modern" type B	TPS 700	TPS 750	TPS 900	1.	Sand-blasted laminated safety glass (without clear stripes) Laminated safety glass, clear	Width 300 – 1000 mm Height 700 – 2250 mm	Width 700 – 2250 mm Height 300 – 500 mm
"Modern	TPS 700	TPS 750	TPS 900	3.	Sand-blasted laminated safety glass with clear stripes (only in side element)	Width 300 – 1000 mm Height 1875 – 2250 mm	Width 700 – 2250 mm Height 300 – 500 mm

Entrance door programme

Product description





			1	100	1	1									
Product description		010	015	515	100	410 S	430 E	600 S	700 B	750 C	800 S	810 E	820 S	850 B	900 D
Door leaf structure															
Smooth sheet		•						•	•	•	•	•	•	•	•
Ribbed sheet (exterior)			•	•											
Panelled sheet (on both	sides)				•	•	•								
Door leaf thickness	,							65 m	m thick						
Fully foamed, with therm	nal break,								•						
Exterior and interior over		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Size ranges (see also	page 30)														
Standard sizes (RAM)						10	00×210	00 mm a	nd 1100	×2100	mm				
	700-1250 mm Width 1875-2250 mm Height	•						•	•	•	•	•			
Special sizes (RAM)	800-1250 mm Width 1875-2250 mm Height												•	•	•
Special sizes (NAIVI)	875-1250 mm Width 1875-2250 mm Height		•	•											
	875-1100 mm Width 1875-2186 mm Height				•	•	•								
Surface finish															
ensure trouble-free door	aces, the material expansion is operation.			Therefo		se check		ation of							
Standard				Traffic wh			es, base	d on RA	● L 9016	•	•	•	•	•	•
Color		• SIIK	matt, g	loss leve	9 35 – 4	U 70		•	•	•	•	•	•	•	•
COIOI			_	d colour	_										•
		• Silk RAI RAI	matt, g L 1015 I L 3000 I	lloss leve Light ivo Flame re	ry ed	0 % F F	RAL 600: RAL 701:	5 Moss (6 Anthra	green cite grey		RAL 90	02 Grey	white		
		• Silk RAI RAI RAI RAI	c matt, g L 1015 L 3000 L 3003 L 3004 L 5010 (lloss leve Light ivo Flame re Ruby red Purple re Gentian	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss	green cite grey Irey w grey rown		RAL 900 RAL 900 RAL 900	02 Grey 06 White 07 Grey		ım	
Decor	Golden Oak	Silk RAI RAI RAI RAI RAI RAI RAI RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss leve Light ivo Flame re Ruby rec Purple re Gentian Pigeon b	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (0 Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown prown		RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta	ım ıllic	•
Decor Film coating, on both	Golden Oak	• Silk RAI RAI RAI RAI RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss lever Light ivo Flame re Ruby red Purple re Gentian Pigeon b	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (6 Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown prown	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta	ım ıllic	•
	Dark Oak	Silk RAI RAI RAI RAI RAI RAI RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss lever Light ivo Flame re Ruby red Purple re Gentian Pigeon b	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (9 Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta	im illic	•
Film coating, on both	Dark Oak Night Oak	Silk RAI RAI RAI RAI RAI RAI FAI FAI FAI	k matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss leve Light ivo Flame re Ruby rec Purple re Gentian Pigeon b	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white a alumini aluminiu cite meta	im illic	•
Film coating, on both	Dark Oak Night Oak Winchester Oak	Silk RAI RAI RAI RAI RAI RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta	ullic	•
Film coating, on both sides	Dark Oak Night Oak	Silk RAI RAI RAI RAI RAI RAI FAI FAI FAI	k matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss leve Light ivo Flame re Ruby rec Purple re Gentian Pigeon b	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white a alumini aluminiu cite meta	im illic	•
Film coating, on both sides	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703	Silk RAI RAI RAI RAI RAI RAI RAI D	matt, g L 1015 I L 3000 I L 3003 I L 3004 I L 5010 I L 5014 I	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu bite meta	ullic	•
Film coating, on both sides	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703	Silk RAI RAI RAI RAI RAI RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta	ullic	•
Film coating, on both sides Seals Door leaf: 4-sided, doubt	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703	Silk RAI RAI RAI RAI RAI RAI RAI D	matt, g L 1015 I L 3000 I L 3003 I L 3004 I L 5010 I L 5014 I	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	O2 Grey O6 White O7 Grey Anthrac	white e alumini aluminiu bite meta	ullic	•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotii	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 ble seals with main lock (with soft lock ing/hook bolt combination, ustable latch slot, secondary	Silk RAI RAI RAI RAI RAI RAI RAI D	matt, g L 1015 I L 3000 I L 3003 I L 3004 I L 5010 I L 5014 I	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	O2 Grey O6 White O7 Grey Anthrac	white e alumini aluminiu bite meta	ullic	•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will atch) and 2 bolts, pivoti main lock plate with adju	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 ble seals with main lock (with soft lock ing/hook bolt combination, ustable latch slot, secondary	Silk RAI RAI RAI RAI RAI RAI RAI D	matt, g L 1015 I L 3000 I L 3003 I L 3004 I L 5010 I L 5014 I	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	O2 Grey O6 White O7 Grey Anthrac	white e alumini aluminiu bite meta	ullic	•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivoti main lock plate with adjulock plates with eccentric	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 ble seals with main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary c adjustment	Silk RAI RAI RAI RAI RAI RAI RAI D	matt, g L 1015 I L 3000 I L 3003 I L 3004 I L 5010 I L 5014 I	lloss leve	el 35 – 4 ry ed d ed blue	0 % F F F F	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown	•	RAL 900 RAL 900 CH 703	O2 Grey O6 White O7 Grey Anthrac	white e alumini aluminiu bite meta	ullic	•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivoti main lock plate with adjulock plates with eccentric Electric strikes	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 ble seals with main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary c adjustment	Silk RAI RAI RAI RAI RAI RAI PAI PAI PAI PAI PAI PAI PAI PAI PAI P	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Purple re Gentian Pigeon b	el 35 – 4 ory ed d d ed blue blue	0 %	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Mindo 1	green cite grey grey w grey rown orown • • • • • • •	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotion main lock plate with adjulock plates with eccentric Electric strikes Electric strike with day of	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 sle seals with main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary c adjustment watch (separate)	Silk RAI RAI RAI RAI RAI RAI PAI PAI PAI PAI PAI PAI PAI PAI PAI P	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Purple re Gentian Pigeon b	el 35 – 4 ory ed d d ed blue blue	0 %	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Mindo 1	green cite grey grey w grey rown orown • • • • • • •	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotion main lock plate with adjulock plates with eccentric Electric strikes Electric strike with day of Security bolts	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 sle seals with main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary c adjustment watch (separate)	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0 %	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Windo 6 O O Windo 6 O O O O O O O O O O O O O O O O O O	green cite grey grey w grey rown orown • • • • • • • • • • • • • • • • • •	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivoti main lock plate with adjulock plates with eccentric Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame will matching the door leaf)	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Die seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment eatch (separate) e side with thermal break (colour threshold with thermal break	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0 %	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Windo 6 O O Windo 6 O O O O O O O O O O O O O O O O O O	green cite grey grey w grey rown orown • • • • • • • • • • • • • • • • • •	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivoting main lock plate with adjulock plates with eccentric Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame watching the door leaf With aluminium/plastic	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Sole seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment Petalog side with thermal break (colour threshold with thermal break)	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0 %	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802:	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Windo 6 O O Windo 6 O O O O O O O O O O O O O O O O O O	green cite grey grey w grey rown orown • • • • • • • • • • • • • • • • • •	•	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotion main lock plate with adjulock plates with eccentric Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame watching the door leaf With aluminium/plastic (can be exchanged later	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Sile seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment Statch (separate) State with thermal break (colour threshold with thermal break () Jue (in W/(m²-K))	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0 % F F F F F F F F F F F F F F F F F F	AL 6003 AL 7011 AL 703: AL 7044 AL 8003 AL 8023	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Windo 3 Clay b 8 Terra b 7 O O O O O O O O O O O O O O O O O O	green cite grey grey w grey rown orown • • • • • • • • • • • • • • • • • •		RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivoting main lock plate with adjulock plates with eccentric Electric strikes Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame watching the door leaf) With aluminium / plastic (can be exchanged later Thermal insulation val	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Sile seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment Statch (separate) State with thermal break (colour threshold with thermal break () Jue (in W/(m²-K))	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0 % F F F F F F F F F F F F F F F F F F	AL 6003 AL 7011 AL 703: AL 7044 AL 8003 AL 8023	5 Moss (6 Anthra 5 Light (2 O Windo 3 Clay b 8 Terra b 6 O Windo 3 Clay b 8 Terra b 7 O O O O O O O O O O O O O O O O O O	green cite grey grey w grey rown orown o o o o o o o o o o o o o o o o o o		RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotion main lock plate with adjulock plates with eccentric Electric strikes Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame watching the door leaf) With aluminium / plastic (can be exchanged later Thermal insulation val	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Sile seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment In the seal of t	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	0% FF	AL 600: AL 701: AL 703: AL 800: AL 802: produc:	5 Moss g 6 Anthra 5 Light g 0 Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown o o o o o o o o o o o o o o o o o o	from pa	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•
Film coating, on both sides Seals Door leaf: 4-sided, doub Frame: 3-sided seals Lock Multiple-point locking will latch) and 2 bolts, pivotion main lock plate with adjulock plates with eccentric Electric strikes Electric strikes Electric strike with day of Security bolts Safety strip on the hinger Frames Aluminium block frame watching the door leaf) With aluminium / plastic (can be exchanged later Thermal insulation val	Dark Oak Night Oak Winchester Oak Titan Metallic CH 703 Die seals Ith main lock (with soft lock ng/hook bolt combination, ustable latch slot, secondary ic adjustment atch (separate) P side with thermal break (colour threshold with thermal break) Jue (in W/(m²-K)) ze and frame type	Silk RAI	matt, g L 1015 L 3000 L 3003 L 3004 L 5010 L 5014	loss leve Light ivo Flame re Ruby rec Ruby rec Gentian Pigeon b	el 35 – 4 lary ed did el did e	O % FF FF F F F F F F F F F F F F F F F F	AL 600: AL 701: AL 703: AL 704: AL 800: AL 802: product	5 Moss g 6 Anthra 5 Light g 0 Windo 3 Clay b 8 Terra b	green cite grey grey w grey rown orown o o o o o o o o o o o o o o o o o o	from pa	RAL 900 RAL 900 RAL 900 CH 703	02 Grey 06 White 07 Grey Anthrac	white e alumini aluminiu cite meta		•

Entrance door programme

Product description





	Thermo65 – steel THP														
Product description		010	015	515	100	410.0			- steel 700 B		000 6	010 E	990 6	OEO D	000 D
Version in RC 2		010	015	313	100	4103	430 E	000 3	700 B	750 C	000 3	010 E	020 3	000 B	900 D
	closing side (hinge side or	oppos	ite hinc	ıe side)											
RC 2 with aluminium frame,		оррос		,0 0.00,		1									
automatic lock (hook bolt lo drilling and pull-off protectio and guide rollers	ock), profile cylinder with	0	0	0											
RC 2 with aluminium frame, automatic lock (hook bolt lo drilling and pull-off protectio guide rollers and safety glas	ock), profile cylinder with on as well as security card,								0	0	0	0		0	0
RC 2 with side element/tran	nsom light (P4A safety glass)	0	0	0					0	0	0	0		0	0
Attack side = opening or	closing side (hinge side or	oppos	ite hing	je side)											
RC 2 with aluminium frame, (entrance door automation), and pull-off protection as we guide rollers	, profile cylinder with drilling	0	0	0											
RC 2 with aluminium frame, (entrance door automation), and pull-off protection as w rollers and safety glass P4A	, profile cylinder with drilling ell as security card, guide								0	0	0	0		0	0
Size ranges															
Size ranges in which an	832-1250 mm Width 1875-2250 mm Height	0							0	0	0	0		0	0
RC 2 version is possible	875-1250 mm Width 1875-2250 mm Height		0	0											
Fittings															
Hinges															
3 two-part guide rollers (180 with cover caps (stainless s		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Door handle (exterior)															
Exterior handle HB 14-2, br	rushed stainless steel	•	•	•	•	•	•	0	0	0	0	0	0	0	0
Exterior handle HB 38-2, br	rushed stainless steel	0	0	0	0	0	0	•	•	•	•	•	•	•	•
Door handle (interior)															
Stainless steel lever handle		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rose escutcheon (exterio	or and interior)														
Oval stainless-steel profile of	cylinder rose escutcheons	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Profile cylinder															
Cylinder length 40.5 × 40.5 emergency and hazard fund		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Glazing frame						1								1	
Stainless steel, bonded									•	•	•	•	•	•	•
Profile-style plastic, clipped						•	•								
<u> </u>	ss design, see style description	ons on p	pages 30)-33)					1	1				ı	
A Insulated triple glazing, f	·														
B Insulated triple glazing, s with 7 clear stripes									•					•	
C Insulated triple glazing, s with 5 clear stripes										•					
D Insulated triple glazing, s with 4 clear stripes															•
E Insulated triple glazing, s with clear stripes (frame)							•					•			
S Insulated triple glazing, S	Satinato					•		•			•		•		
Side element / transom lig	ght														
For doors opening inwards		0	0	0	0	0	0	0	0	0	0	0	0	0	0
For doors opening outward:	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0

StandardOptional

Entrance door programme

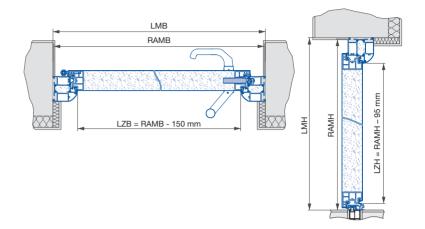
Technical presentation of door set



THP entrance doors with aluminium frame, profile A3

St	andard sizes			
Overall frame dimension Ordering size	Clear frame dimensions	Structural opening		
1000 × 2100	850 × 2005	1020×2110		
1100 × 2100	950 × 2005	1120×2110		

S	Special sizes									
THP	Overall frame dimension									
Styles	Width	Height								
010/600/700/ 750/800/810	700-1250	1875 – 2250								
820/850/900	800-1250	1875 – 2250								
015/515	875 – 1250	1875 – 2250								
100/410/430	875-1100	1875-2186								



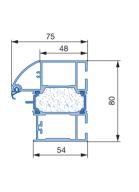
RAMB RAMH

Overall frame width Overall frame height

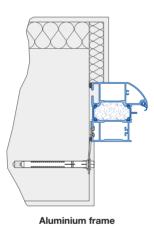
LWB LWH LZB LZH

Structural opening width Structural opening height Clear frame dimension width Clear frame dimension height

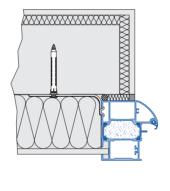
Wall connections for frames



Profile A3

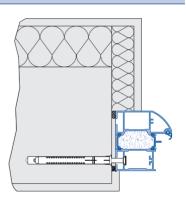


with screw-in anchor (plug-and-screw fitting)



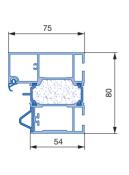
Aluminium frame

to the wall with screw-in anchor (plug-and-screw fitting)

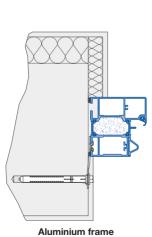


Aluminium frame

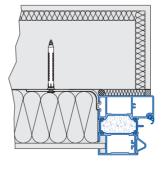
Through-bolt fixing (drill holes on-site)



Profile A4

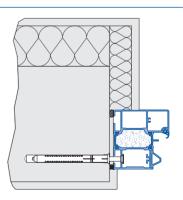


with screw-in anchor (plug-and-screw fitting)



Aluminium frame

to the wall with screw-in anchor (plug-and-screw fitting)



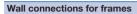
Aluminium frame

Through-bolt fixing (drill holes on-site)

Entrance door programme

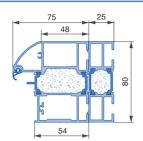
Technical presentation of door set



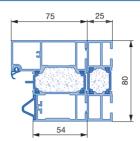




Extension profile 25 mm



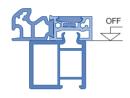
With aluminium frame profile A3



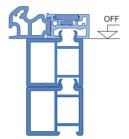
With aluminium frame profile A4

Bottom edge





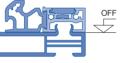
With 1 bottom spacer profile



With 2 bottom spacer profiles









Base frame profile (optional)

Base frame profile below FFL

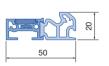
Base frame profile above FFL

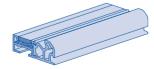
Base frame profile and bottom spacer profile Can be combined

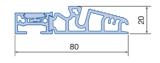
Retractable bottom seal (optional)



Threshold rails









Threshold S11 (Standard)

Threshold S12 (Optional for aluminium frame profile A4)

Entrance door programme



Technical presentation of door set with side element / transom light

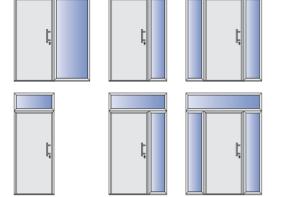
THP entrance doors with side element / transom light

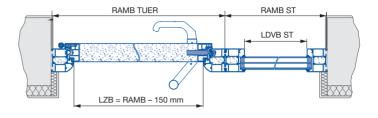
Standard sizes - Side element								
THP	Overall fram	e dimension						
Styles	Width	Height						
All styles	400	2100						

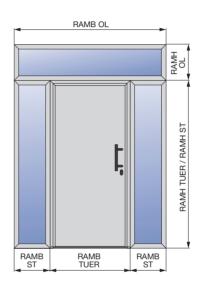
Special sizes - Side element							
THP	Overall frame dimension						
Styles	Width Height						
All styles	See pages 46 and 47						

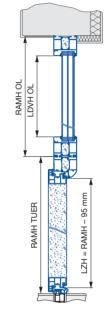
Size range – Transom light								
THP	Overall frame dimension							
Styles	Width Height							
All styles	see page 46							

Clear view								
Width Height								
Side element	RAM side element – 134	RAM side element – 134						
Transom light	RAM transom light – 134	RAM transom light – 134						









RAMB RAMH TUER ST

Overall frame width Overall frame height Door Side element Transom light

LWB LWH LZB LZH LDVB LDVH

Structural opening width Structural opening height Clear frame dimension width Clear frame dimension height Glazing clear view width Glazing clear view height

Entrance door programme

.1

Technical presentation of clear view for doors with glazing

Clear view for styles with glazing **THP 410S THP 430E THP 600S** THP 700B THP 750C **THP 800S** 300 THP 810E THP 820S

THP 900D

THP 850B

Entrance door programme



in the saAluminiuMultiple	oor leaf overlapping the leaf, with thermal broame colour Jim frame -point lock			>			J		
Color Decor	17 preferred colours (see page 24) Golden Oak, Dark Oak, Night Oak, Winc								
	Titan Metallic CH 703			Profile A3			Profile A4		
View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor	
	Style THP 010								
-	Smooth sheetHandle HB 14-2	1000 × 2100 1100 × 2100	1526	1642	1758	1526	1642	1758	
J _i		From 700 × 1875 to 1250 × 2250	1884	2000	2116	1884	2000	2116	
		► U _D value for size 1230	×2180 mm: 0.	87 W/(m²·K)					
	Style THP 015		1		1	1		1	
	Ribbed sheet with 7 ribs (exterior) Handle HB 14-2	1000 × 2100 1100 × 2100	1607	1723	1839	1607	1723	1839	
-		From 875 × 1875 to 1250 × 2250	1965	2081	2197	1965	2081	2197	
		► U _D value for size 1230	×2180 mm: 0.	87 W/(m²·K)					
	Style THP 515								
	Ribbed sheet with 3 ribs (exterior)Handle HB 14-2	1000 × 2100 1100 × 2100	1607	1723	1839	1607	1723	1839	
ļ,		From 875 × 1875 to 1250 × 2250	1965	2081	2197	1965	2081	2197	

Entrance door programme



For a product	t description, see from page 24									
in the sar • Aluminium	 Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour Aluminium frame Multiple-point lock Color 17 preferred colours (see page 24)									
Color										
Decor	Golden Oak, Dark Oak, Night Oak, Winchester Oak and				J					
DCCOI	Titan Metallic CH 703			Profile A3			Profile A4			
View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor		
	Style THP 100	0.20 (0.2.11)	1 1 1 1 1 1 1 1 1				55.01			
	Panelled sheet (on both sides)Handle HB 14-2	1000×2100 1100×2100	1555	1671	-	1555	1671	-		
		From 875 × 1875 to 1100 × 2186	1913	2029	-	1913	2029	-		
		► U _D value for size 1230	× 2180 mm: 0.	87 W/(m²·K)						
	Style THP 410S									
H	 Panelled sheet (on both sides) 3 panes of insulated glass, exterior laminated safety glass – Satinato – 	1000×2100 1100×2100	2564	2947 *	-	2564	2947 *	-		
_	interior laminated safety glass Plastic glazing frame Handle HB 14-2	From 875 × 1875 to 1100 × 2186	2922	3305 *	-	2922	3305 *	-		
		► U _D value for size 1230	× 2180 mm: 1.	0 W/(m²·K)						
	Style THP 430E									
ŀ	 Panelled sheet (on both sides) 3 panes of insulated glass, exterior laminated safety glass – sand- 	1000×2100 1100×2100	2564	2947 *	-	2564	2947 *	-		
	blasted float with clear stripes (frame) – interior laminated safety glass • Plastic glazing frame	From 875×1875 to 1100×2186	2922	3305 *	-	2922	3305 *	-		
	Handle HB 14-2	► U _D value for size 1230	×2180 mm: 1.	0 W/(m²·K)						

// \mbox{NEW} The styles THP 410S and THP 430E are available from 01.07.2019 in Color.

Entrance door programme

For a product description, see from page 24



in the saAluminiu	Color 17 preferred colours (see page 24)									
Color										
Decor	Golden Oak, Dark Oak, Night Oak, Winchester Oak and Titan Metallic CH 703				,					
View	Style description	Size (RAM)	RAL 9016	Profile A3 Color	Decor	RAL 9016	Profile A4 Color	Decor		
VICVV	Style THP 600S	Oize (HAN)	TIAL 3010	00101	Decoi	TIAL 3010	00101	Decoi		
Пн	Smooth sheet Insulated glass, exterior single-pane safety glass Satinato, edge with	1000×2100 1100×2100	2692	2808	2924	2692	2808	2924		
1	silkscreen – clear float / single-pane safety glass – interior single-pane safety glass Satinato, edge with silkscreen, surface-mounted exterior	From 700 × 1875 to 1250 × 2250	3051	3167	3283	3051	3167	3283		
Ш	pane • Handle HB 38-2	► U _D value for size 1230	× 2180 mm: 1	.00 W/(m²·K)						
	Style THP 700B									
1	Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes – interior single-pane safety glass Stainless steel glazing frame Handle HB 38-2	1000 × 2100 1100 × 2100	2394	2510	2626	2394	2510	2626		
8		From 700 x 1875 to 1250 x 2250	2752	2868	2984	2752	2868	2984		
Ш		► U _D value for size 1230	× 2180 mm: 0	.97 W/(m²·K)						
	Style THP 750C									
Пь	Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – sand-	1000×2100 1100×2100	2394	2510	2626	2394	2510	2626		
-	blasted float with 5 clear stripes – interior single-pane safety glass Stainless steel glazing frame Handle HB 38-2	From 700×1875 to 1250×2250	2752	2868	2984	2752	2868	2984		
Ш	Trandie Fib 30-2	► U _D value for size 1230	× 2180 mm: 0	.95 W/(m ² ·K)						
	Style THP 800S									
	Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – Satinato –	1000×2100 1100×2100	2570	2686	2802	2570	2686	2802		
	interior laminated safety glass Stainless steel glazing frame Handle HB 38-2	From 700×1875 to 1250×2250	2929	3044	3161	2929	3044	3161		
		► U _D value for size 1230	× 2180 mm: 0	.93 W/(m²·K)						

Accessories and optional extras

Entrance door programme



For a product description, see from page 24

Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour Aluminium frame

- Multiple-point lock

17 preferred colours (see page 24) Color





Decor	Golden Oak, Dark Oak, Night Oak, Winchester Oak and Titan Metallic CH 703							
Tital i Metallic CFI 703		Profile A3		Profile A4				
View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style THP 810E							
	Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (square) – interior single-pane safety glass	1000×2100	2570	2686	2802	2570	2686	2802
		1100×2100						
		From 700 × 1875	2929	3044	3161	2929	3044	3161
		to 1250 × 2250						
Ш	Stainless steel glazing frameHandle HB 38-2	► U _D value for size 1230 × 2180 mm: 0.98 W/(m²-K)						
	Style THP 820S							
	 Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – Satinato – interior laminated safety glass Stainless steel glazing frame Handle HB 38-2 	1000×2100	2570	2686	2802	2570	2686	2802
		1100×2100						
		From 800 × 1875	2929	3044	3161	2929	3044	3161
		to 1250×2250						
		► U _D value for size 1230	× 2180 mm: 0.	96 W/(m²·K)				
	Style THP 850B							
1/1	Smooth sheet 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes –	1000×2100	2778	2894	3010	2778	2894	3010
		1100×2100						
				-				
8	interior laminated safety glass	From 800 x 1875	3136	3252	3368	3136	3252	3368
111	Stainless steel glazing frameHandle HB 38-2	to 1250 × 2250	0.00	3.202				
77	-	► U _D value for size 1230	×2180 mm: 0.	97 W/(m²·K)				

Style THP 900D

- Smooth sheet
- 3 panes of insulated glass, exterior laminated safety glass sand-blasted float with 4 clear stripes interior single-pane safety glass Stainless steel glazing frame
- Handle HB 38-2

_	1000×2100 1100×2100	2570	2686	2802	2570	2686	2802
From to	800 × 1875 1250 × 2250	2929	3044	3161	2929	3044	3161

► U_D value for size 1230 × 2180 mm: 0.95 W/(m²·K)

Accessories and optional extras

Entrance door programme



Exterior door handles (included i	n door price)			£			
+ 510 + 330	 Handle HB 14-2 Brushed stainless steel Standard for styles THP 010, THP 015, THP 100, THP 410, THP 430 and THP 515 	Surcharge for conversion to handle HB 14-2		128			
+ + 0000 + + 100000 + 100000 + 100000 + 100000 + 10000 + 10000 + 10000 + 100000 + 10000 + 100000 + 100000 + 10	Handle HB 38-2 Brushed stainless steel Standard for styles THP 600, THP 700, THP 750, THP 800, THP 810, THP 820, THP 850 and THP 900	Surcharge for conversion to handle HB 38-2		128			
+ 6000 + 10000	Handle HB 38-3 Surcharge for conversion • Brushed stainless steel to handle HB 38-3			128			
ES 0 fittings	Including profile cylinder with 5 keys		Surcharges	£			
	Knob/lever handle	Stainless steel	Each	128			
	Lever handle / lever handle	Stainless steel	Each	128			
ES 1 fittings	Including profile cylinder with 5 keys		Surcharges	£			
Note: ES 1 fittings are only possible from a RAM width of 900 mm for styles THP 410 and THP 430.							
	Knob/lever handle	Stainless steel	Each	206			
	Lever handle / lever handle	Stainless steel	Each	206			

Entrance door programme



Rose escutcheons	Including profile cylinder with 5 keys	Surch	arges	£
Note: The rose escutcheons are only po	ossible from a RAM width of 900 mm for styles TI	HP 410 and THP 430.		
	Knob / lever handle, type D-110	Stainless steel	Each	128
	Lever handle/lever handle, type D-110	Stainless steel	Each	128
	Lever handle/lever handle, type D-210	Stainless steel	Each	128
	Lever handle/lever handle, type D-310	Stainless steel	Each	128
	Lever handle / lever handle, type D-510	Stainless steel	Each	128
Calculation example				£
Conversion THP 010 with HB 14-2 to HB 38-2		Style THP 010 in RAL 9016, profile A3 (standard size) + Conversion from handle HB 14-2 to handle HB 38-2 = Total		1526 128 1654
Conversion THP 700 with HB 38-2 to Fitting ES 1	□	Style THP 700 in RAL 9016, profile A3 (standard size) + Surcharge for ES 1 stainless steel knob/lever handle fitting = Total		2394 206 2600

Entrance door programme

Accessories



Multiple-point locking



64

£

938

1042



Entrance door automation with BiSecur

Automatic lock

- Multiple-point locking with main lock and 2 bolts, pivoting/hook bolt combination
- Mechanical self-locking mechanism
- For Thermo65 with handle HB 14-2, HB 38-2 and HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1
- For Thermo65 with rose escutcheon knob/lever handle

• Not possible in combination with electric strike.

Per door

Per door

Per door





♦ BiSecur

Multiple-point locking with opening via a hand transmitter

- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS
- For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1

• Not possible in combination with electric strike.



// NEW

♦ BiSecur

Multiple-point locking with opening via a radio code switch and hand transmitter

- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS and 1 radio code switch FCT 3 BS
- For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1

• Not possible in combination with electric strike.



⇔ BiSecur

Multiple-point locking with opening via a radio finger-scan and hand transmitter

- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS and 1 finger-scan FFL 12 BS (Up to 12 fingerprints can be taught in, cannot be individually deleted) For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1

• Not possible in combination with electric strike.

Per door

1163

Entrance door programme

Accessories



Entrance door automation with BiSecur



1469



// NEW

♦ BiSecur

Multiple-point locking with opening via an integrated finger-scan and hand transmitter

- Automatic lock with electric motor
- Including 1 hand transmitter HSE4BS and 1 finger-scan integrated into the door leaf (Up to 150 fingerprints can be taught in)
- For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1

• Not possible in combination with electric strike.



Additional 4-button hand transmitter HSE 4 BS

- In black
- Textured plastic surface with plastic caps



Per door

57

Entrance door automation with Bluetooth®

£



// NEW

Bluetooth

Multiple-point locking with opening via Bluetooth®

- Automatic lock with electric motor
- including Bluetooth® receiver
- For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever/knob handle set ES 0/ES 1

Per door 925

The use requires a Smartphone or Tablet with Bluetooth® function and access to the App StoreSM or Google PlayTM (Hörmann BlueSecur App).

A Smartphone or Tablet is not included in the scope of delivery!

Note:

- · Not possible in combination with electric strike.
- Bluetooth® is not compatible with the BiSecur radio technology!



// NEW

Bluetooth

Multiple-point locking with opening via Bluetooth® and integrated finger-scan

- Automatic lock with electric motor
- including Bluetooth® receiver and 1 finger-scan integrated into the door leaf (Up to 150 fingerprints can be taught in) For Thermo65 with handle HB 14-2/HB 38-2/HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door 1451

The use requires a Smartphone or Tablet with Bluetooth® function and access to the App StoreSM or Google PlayTM (Hörmann BlueSecur App).

A Smartphone or Tablet is not included in the scope of delivery!

Note:

- Not possible in combination with electric strike.
- Bluetooth® is not compatible with the BiSecur radio technology!

Entrance door programme



Emergency exit lock acc. to EN	N 179		Surcharges	£
Note: The rose escutcheons are only po	ssible from a RAM width of 900 mm for styles THP 410 and THP 4	130.		
G C C C C C C C C C C C C C C C C C C C	Multiple-point locking with anti-panic function E Panic lock with stainless steel lock cover, distance 92 mm for the size range 1990–2250 mm		Each	162
	Lever / knob handle set, rose escutcheon B	n Black plastic	Each	132
		Anodised aluminium (F1)	Each	206
		Brushed stainless steel	Each	266
	Multiple-point locking with passage function D Panic lock with stainless steel lock cover, distance 92 mm for the size range 1990–2250 mm Anti-panic lever handle set	Black plastic	Each Each	222
0	with split spindle, rose escutcheon prepared for profile cylinder	Anodised aluminium (F1)	Each	206
	prepared for profile cylinder	Brushed stainless steel	Each	266
	Door set opening outwards		Per door	75

Entrance door programme

Accessories



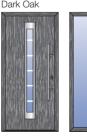
file cylinder				£
	Profile cylinder (40.5 + 40.5 mm)	With 8 keys	Each	50
	For HB 14-2, HB 38-2 and HB 38-3 push bars	With 10 keys	Each	59
	Profile cylinder (45.5 + 45.5 mm)	With 5 keys	Each	37
	For ES 0 fittings	With 8 keys	Each	50
		With 10 keys	Each	59
	Profile cylinder (45.5 + 40.5 mm)	With 5 keys	Each	79
	with drilling and pull-off protection and security card for HB 14-2, HB 38-2 and HB 38-3 push bars with security rose	With 8 keys	Each	105
	escutcheon ES 1	With 10 keys	Each	122
	Profile cylinder (45.5 + 45.5 mm)	With 5 keys	Each	79
	with drilling and pull-off protection and security card	With 8 keys	Each	105
	For ES 1 fittings	With 10 keys	Each	122
	Profile cylinder (40.5 + 40.5 mm)	With 5 keys	Each	37
MI -	For rose escutcheons	With 8 keys	Each	50
		With 10 keys	Each	59
	Profile cylinder, keys to pass, for push bar or ES 0 fittings	With 5 keys	Each	37
W	Note:	With 8 keys	Each	50
	No keys to pass for the profile cylinder from the fitting pack!	With 10 keys	Each	59
	Profile cylinder, keys to pass,	With 5 keys	Each	79
	with drilling and pull-off protection and security card for ES 1 fittings	With 8 keys	Each	105
	Note:	With 10 keys	Each	122
	note:			

Colours of door leaf and frame differ		olours of door leaf and frame differ		me differ Door leaf		Frame	Price for entrance door with surface
Example	Door leaf	Frame	RAL 9016	Color	Color		
	Anthracite grey	Traffic white	RAL 9016	Decor	Decor		
			Color	RAL 9016	Color		
	Color	Decor	Decor				
1			Decor	RAL 9016	Decor		
			Decor	Color	Decor		
**************************************	e						

Two-colour entrance doors, side elements or transom light		Surcharge	£
Door leaf and frame/side element / transom light		Per door	107
 Exterior in decors Golden Oak, Dark Oak or Titan Metallic CH 703 	Surcharge for version with decor surface	Per side element	57
 Interior in Traffic white RAL 9016 	accor surface	Per transom light	57

- for frame profile A3
- Opening inwards
- Not possible for styles THP 100, THP 410 and THP 430!

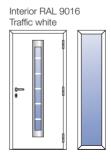
Entrance door/side elemer	ent Thermo65, exterior decor			
Golden Oak	Dark Oak			







No keys to pass for the profile cylinder from the fitting pack!



Example THP 750

Entrance door programme



Threshold / bottom door edge						£
	Threshold S11 (Standard)				No sur	charge
	Threshold S12 (optional) Note: Only for aluminium frame profile A4.				Each	35
	Retractable bottom seal (Frame without threshold) Notes: Not for styles 100, 410 and 430! Not possible in conjunction with RC 2! The thermal insulation (U _D) and water-tightn	ess under heavy rain perform	ance characte	ristics are limited!	Each	283
Profiles						£
Tromes	Bottom spacer profile	Length up to 1250 mm	Height	30 mm	Each	26
	Bottom spacer prome	Length up to 1250 mm	Height	60 mm	Each	51
			Height	90 mm	Each	76
				120 mm		102
			Height Height	150 mm	Each Each	127
		Langth up to 00E0 mm				
		Length up to 2250 mm	Height	30 mm	Each	42
			Height	60 mm	Each	84
			Height	90 mm	Each	126
			Height	120 mm	Each	168
			Height	150 mm	Each	209
		Length up to 3250 mm	Height	30 mm	Each	61
			Height	60 mm	Each	121
			Height	90 mm	Each	182
			Height	120 mm	Each	242
			Height	150 mm	Each	303
	Base frame profile	Length up to 1250 mm	Height	15 mm	Each	26
	(black)	Length up to 2250 mm	Height	15 mm	Each	42
	J	Length up to 3250 mm	Height	15 mm	Each	61
	Extension profile 25 mm	RAL 9016			Per m	59
	Dimensions (W × D): 25 × 80 mm	Color			Per m	69
		Golden Oak, Dark Oak, Nig Titan Metallic CH 703	ght Oak, Winc	hester Oak,	Per m	72
	Extension profile 50 mm	RAL 9016			Per m	64
	Dimensions (W x D): 50 x 80 mm	Color			Per m	74
	// NEW Available from 01.07.2019	Golden Oak, Dark Oak, Nig Titan Metallic CH 703	ght Oak, Winc	hester Oak,	Per m	77

Entrance door programme



Profiles				£
	Cover profile	RAL 9016	Per box	120
	Per package 2 × 2300 mm and 1 × 1300 mm Dimensions (W × D): 50 × 5 mm Profiles sufficient for a door without side elements.	Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per box	161
	0 1 (0:1)	DAL COAC		
	Supplementary profile (on 3 sides) Width 20 mm, mitred, incl. corner bracket	RAL 9016	Per door	247
	and fitting screws	Color Golden Oak, Dark Oak, Titan Metallic CH 703	Per door Per door	310 321
Door closer				c
DOUI CIUSEI	Door leaf prepared for overhead door clos	er	Each	30
	(reinforcement in door leaf) Overhead door closer HDC 35 for fitting or	n the opening side (hinge side)	Each	175
	For aluminium frame profile A3 or A4 Overhead door closer HDC 35 for fitting or	n the closing side (opposite hinge side)	Each	175
	For aluminium frame profile A4 Mechanical hold-open device		Each	66
In the second se	Mechanical nour-open device		Lacii	
Accessories				£
	Electric strike with day catch (separate) Note: Not possible in conjunction with an automatic	ock.	Each	82
	Latch switching contact For main latch, main lock Note: Not possible in conjunction with entrance door	automation.	Each	102
	Reed contact (separate) door leaf and frame prepared		Each	102
	Door set opening outwards		Per door	75

Entrance door programme



Accessories				£
	Spyhole (fitted) (only for THP 010, THP 015, THP 100, THP 410 and THP 515)		Each	51
	// NEW Spyhole, with thermal break (fitted) (only for THP 010, THP 015, THP 100, THP 410 and THP 515)		Each	102
	Rain canopy Anodised aluminium		Each	24
		AL 9016 Traffic white tainless steel look	Each Each	35 52
	Door drip S	stainless steel	Each	210
	Stainless steel cleaner and care product (150 ml)		Each	32
	Stainless steel bottom sheet on the exterior (separate) • Bottom sheet height 110 mm • Size range of heights for style Style 010 100/410/430/015/515/600/700/750/800/810/850 Note: Not in combination with embellishments in stainless steel look,		Per door	180
	// NEW Concealed through-bolt fixing (4 fitting holes for each side For aluminium frame profile A3 and A4	de bar)	Each	75
Fitting material				£
(10x)	Fitting set 10 × screws and 10 × plugs		Per set	24
000000	Screw-in anchor set Length 280 mm (8 × anchors)		Per set	29
	Pre-compressed sealing strip (74 mm wide) for groove widths from 6 – 15 mm (approved for RAL fitting)		Per roll	115

Entrance door programme





Entrance door	in RC 2 vers	sion (for a p	oroduct des	scription, se	e page 24)					£
		-	-		-	e side or hinge side)				
	• .				-	sing side (opposite hinge side side = opening or closing side (l		site hinge side	<u>a)</u>	
RC 2					,,	Package HB 14-2 with security rose escutcheon		Stainless steel	Per door	132
J.	ļ,	ļ				ES 1 fittings	Knob/lever handle	Stainless steel	Per door	206
THP 010	THP 015	THP 515					Lever handle / leve handle	r Stainless steel	Per door	206
RC 2	П			1/1	1	Package HB 38-2/HB 38-3 with security rose escutcheon and safety glass (P4A)		Stainless steel	Per door	242
						Fittings ES 1 and safety glass (P4A)	Knob/lever handle	Stainless steel	Per door	316
THP 700	THP 750	THP 800	THP 810	THP 850	THP 900		Lever handle / leve handle	r Stainless steel	Per door	316
Approved size	range for Ri	C 2 version	for each st	tvle						
Approved Size	range for re	o z version	Tor caon s	tyle						
		Ļ						ļ,	ļ.	
		THP 010	THP 700	THP 750	THP 800	THP 810 THP 850 THP 900		THP 015	THP 515	
Width Height										
Height					832 – 1250 875 – 2250			875 – 1875 –		
Cida alamanta	and turns an	a liabta in F	20.0		875 – 2250			875 – 1875 –		
Side elements	and transon	n lights in F	RC 2					1875–	2250	£
Side elements	and transon	n lights in F	RC 2			Clear glass and safety glass (P4,	A)	1875–		£ 171
	Side ele	ements		18	875 – 2250	Clear glass and safety glass (P4A) Satinato and safety glass (P4A)	A)	1875 – Per	2250	
	Side ele Only pos	ements		18	875 – 2250			1875 – Per Per	2250 side element	171
	Side ele Only pos	ements	size range w	18	875 – 2250	Satinato and safety glass (P4A)	ass (P4A)	1875 – Per Per	2250 side element side element	171
	Side ele Only pos 400 – 55	e ments ssible in the s 0 mm (overa	size range w	18	875 – 2250	Satinato and safety glass (P4A) Sand-blasted float and safety glass Sand-blasted float with clear stri	ass (P4A) pes and safety glass	1875 – Per Per Per	side element side element	171 171 171
	Side ele Only pos 400 – 55	ements sible in the s more of the sible in the second of the sible in the second of th	size range w all frame dim	ith a width of ension).	875 – 2250 f	Satinato and safety glass (P4A) Sand-blasted float and safety glass (P4A) Sand-blasted float with clear stri (P4A)	ass (P4A) pes and safety glass	Per Per Per	side element side element side element	171 171 171 171
RC 2	Side ele Only pos 400 – 55	ements sible in the s more of the sible in the second of the sible in the second of th	size range w all frame dim	ith a width of ension).	875 – 2250 f	Satinato and safety glass (P4A) Sand-blasted float and safety glass (P4A) Sand-blasted float with clear stri (P4A) Clear glass and safety glass (P4A)	ass (P4A) pes and safety glass A)	Per Per Per Per	side element side element side element side element transom light	171 171 171 171 171
RC 2	Side ele Only pos 400 – 55	ements sible in the some (oversome lights) sible in the some (oversome lights)	size range w all frame dim size range w all frame dim	vith a width of ension).	875 – 2250 f	Sand-blasted float and safety glass (P4A) Sand-blasted float with clear stri (P4A) Clear glass and safety glass (P4A) Satinato and safety glass (P4A)	ass (P4A) pes and safety glass A)	Per Per Per Per	side element side element side element side element transom light transom light	171 171 171 171 171 171
RC 2 Example for ca THP 700 Package HB 3	Side ele Only pos 400 – 55 Transor Only pos 400 – 50 alculating an oversion with HB 38-2	ements sible in the some (overall n lights sible in the some (overall entrance of	size range w all frame dim size range w all frame dim	vith a width of ension).	875 – 2250 f	Sand-blasted float and safety glass (P4A) Sand-blasted float with clear stri (P4A) Clear glass and safety glass (P4A) Satinato and safety glass (P4A)	ass (P4A) pes and safety glass A) ass (P4A) L 9016, profile A3 (s	Per Per Per Per Per standard size)	side element side element side element side element transom light transom light	171 171 171 171 171 171 171

Entrance door programme



Embellishments in s	stainless steel	look for style THP 010 (on the exterior)		Surcharge	£
	View 451	Stainless steel frames Overall dimension 240 × 240 mm Inside dimension 160 × 160 mm	Style THP 010	Per door	243
	View 454	Stainless steel frames Overall dimension 145 × 145 mm	Style THP 010	Per door	243
	View 457	Curved stainless steel frames	Style THP 010	Per door	243
	View 459	Stainless steel rings Overall dimension Ø 240 mm Inside dimension Ø 160 mm	Style THP 010	Per door	243
	View 750	Stainless steel frame over entire leaf height	Style THP 010	Per door	243
	View 751	3 parallel stainless steel strips over the entire leaf height	Style THP 010	Per door	243

Entrance door programme



Embellishments in	n stainless steel lo	ook (on the exterior)			£
		Embellishment in stainless steel look view 400	Style THP 015	Per door	189
THP 015	THP 515	Inlay length 577 mm per rib	Style THP 515	Per door	126
		Embellishment in stainless steel look view 401	Style THP 015	Per door	189
THP 015	THP 515	Inlay length 118 mm per rib	Style THP 515	Per door	126
		Embellishment in stainless steel look view 402	Style THP 015	Per door	189
THP 015	THP 515	Inlay length 118 mm per rib	Style THP 515	Per door	126
		Embellishment in stainless steel look view 403	Style THP 015	Per door	189
THP 015 TH	THP 515	Inlay length 2 × 118 mm per rib	Style THP 515	Per door	126

Entrance door programme

Side elements and transom lights



Side element

Fixed side element assembly

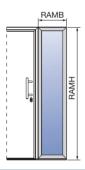


Ordering sizes RAM (mm) Width × height	Glass	RAL 9016	Color	Decor
	Clear glass	964	1087	1127
	Satinato	964	1087	1127
400×2100	Sand-blasted float	964	1087	1127
	Sand-blasted float with clear stripes	1485	1608	1647

Side element

Fixed side element assembly

Special sizes



Ordering sizes RAM up to (mm) Width × height	Glass	RAL 9016	Color	Decor
From 300 × 700 to 500 × 2250	Clear glass, Satinato or sand- blasted float according to	1150	1273	1312
to 1000 × 2250 *	overview on page 47	1333	1456	1496
From 300 × 1875 to 500 × 2250	Sand-blasted float with clear stripes according to overview	1808	1931	1971
to 1000 × 2250 *	on page 47	1989	2112	2152

Only possible without transom light Door set with side element does not contribute to the static equilibrium. Statics must be ensured by the building structure.

Transom light

Fixed transom light assembly



Ordering sizes RAM (mm) Width×height	Glass	RAL 9016	Color	Decor
From 700 × 300 to 1250 × 500	Clear glass, Satinato or sand-	774	897	937
to 1750 × 500	blasted float according to overview on page 47	933	1056	1096
to 2250 × 500	overview on page 47	1149	1272	1311

RAMB Overall frame width Overall frame height

Entrance door programme





Infill/size range

Glass design: exterior pane clear laminated safety glass - intermediate pane - interior pane clear laminated safety glass

Glass design: exterior pane clear laminated safety glass – intermediate pane – interior pane clear laminated safety glass Glass Glass Size range				
Style	(Intermediate pane)	Side element Transom light		
THP 010 THP 015 THP 515	Sand-blasted float without clear stripes Satinato Float, clear	Width 300 – 1000 mm Height 700 – 2250 mm Width 700 – 2250 mm Height 300 – 500 mm		
THP 100	Sand-blasted float without clear stripes Satinato Float, clear	Width 300 – 1000 mm Height 700 – 2186 mm Width 875 – 2000 mm Height 300 – 500 mm		
THP 410	Satinato Float, clear	Width 300 – 1000 mm Height 700 – 2186 mm Width 875 – 2250 mm Height 300 – 500 mm		
THP 430	Sand-blasted float without clear stripes Float, clear	Width 300 – 1000 mm Height 700 – 2186 mm Width 875 – 2000 mm Height 300 – 500 mm		
THP 600 THP 800 THP 820	Satinato Float, clear	Width 300 – 1000 mm Height 700 – 2250 mm Width 700 – 2250 mm Height 300 – 500 mm		
THP 700 THP 810 THP 850 THP 900	Sand-blasted float without clear stripes Float, clear	Width 300 – 1000 mm Height 700 – 2250 mm Height 300 – 500 mm		
THP 700 THP 850 THP 900	Sand-blasted float with clear stripes (only in side element)	Width 300 – 1000 mm Height 1875 – 2250 mm Width 700 – 2250 mm Height 300 – 500 mm		



Door operator SmartKey

Automatically more sales in the retrofitting sector

- Ideal for retrofitting of entrance doors and apartment doors
- Easy door lock opening, e.g. without having to set down shopping bags, or even opening the door from a distance for guests or children
- Convenient operation via hand transmitter, radio internal push button or directly on the SmartKey



Radio door lock operator SmartKey in white (shown left) or silver-coloured (shown right)



Steel Security Doors RC 2

KSI Thermo46 with thick rebate, sheet thickness 0.6-0.8 mm

Standard/special sizes









Product description

- Break-in-resistant ready-to-fit door set, single-leaf Tested according to DIN EN 1627 resistance class RC 2
- For fitting in brickwork and concrete.

Attack side = closing side (opposite hinge side)

Door leaf

46 mm thick, "Modern" smooth sheet steel, thick rebate, fully foamed, with thermal break, exterior and interior overlapping the leaf and matching colour.
4-sided, double EPDM seals, black, with continuous lip seal in the bottom sheet, additional EPDM form parts in both bottom corners for additional sealing, incl. brush seal in the frame.

- Aluminium block frame profile A2 with aluminium/plastic threshold rail
- With thermal break
- Colour matching the door leaf

Surface finish

- Standard: Painted in Traffic white on both sides, based on RAL 9016, silk matt, gloss level 35 - 40%
- Color: 17 preferred colours, painted on both sides, based on the RAL colour chart, silk matt, gloss level 35-40 %

Fittings

- Multiple-point locking with main lock (with softlock latch) and 2 bolts, swing/hook bolt combination
- Stainless steel long escutcheon lever/knob handle set ES 1
- 3x anti-leverage guard
- 5 keys
- Security certificate

Hinges

3 two-part guide rollers (180 mm), three-way adjustable

Standard sizes	3	State handing
	Ordering sizes (Overall frame dimension)	With aluminium block frame (profile A2)
	875×2000	1229
	875×2125	1229
	1000×2000	1283
	1000×2100	1283
	1000×2125	1283
	1100×2100	1283
Special sizes		State handing
	Ordering sizes (Overall frame dimension)	With aluminium block frame (profile A2)
슅	From 832 × 1875 to 1250 × 2250	1641

Preferred colour (Color)*			Surcharge £
Door leaf and frame in preferred cold	our (Color)		116
RAL 1015 Light ivory	 RAL 6005 Moss green 	RAL 9001 Cream	
RAL 3000 Flame red	 RAL 7016 Anthracite grey 	 RAL 9002 Grey white 	
RAL 3003 Ruby red	 RAL 7035 Light grey 	 RAL 9006 White aluminium 	
RAL 3004 Purple red	 RAL 7040 Window grey 	 RAL 9007 Grey aluminium 	
RAL 5010 Gentian blue	 RAL 8003 Clay brown 	 CH 703 Anthracite metallic 	
RAL 5014 Pigeon blue	 RAL 8028 Terra brown 		
Decor *			Surcharge £
Door loof and frame in door			020

Door leaf and frame in decor

- Golden Oak
- Winchester Oak
- Dark Oak Titan Metallic CH 703
- Night Oak

For doors with dark surfaces, the material expansion is particularly high. Therefore, please check the location of the door in the building during consultation. This will ensure trouble-free door operation!

MZ Thermo46 Thick Rebate - Steel

Sheet thickness 0.6 - 0.8 mm

Standard sizes / special sizes

Product description

- Steel door leaf overlapping the frame, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Mortice lock (single-point locking) prepared for profile cylinder, with profile cylinder 40.5 + 27.5 mm and 3 keys, without emergency and hazard function
 Ordering size = overall frame dimension (nominal size)

RAL 1015	Light ivory	RAL 6005	Moss green	RAL 9001	Cream
RAL 3000	Flame red	RAL 7016	Anthracite grey	RAL 9002	Grey white
RAL 3003	Ruby red	RAL 7035	Light grey	RAL 9006	White aluminium
RAL 3004	Purple red	RAL 7040	Window grey	RAL 9007	Grey aluminium
RAL 5010	Gentian blue	RAL 8003	Clay brown	CH 703 Anthr	acite Metallic
RAL 5014	Pigeon blue	RAL 8028	Terra brown		



A2 profile

Size (RAM)	RAL 9016	Color	Decor
875×2000			
875×2125	793	908	1025
1000 × 2000			
	847	962	1078
	.	002	
• 1100×2100			
From 700 × 1750	1205	1320	1437
ue for size 1230 x 2180 mm:	1.1 W/(m²·K)		
875×2000	1034	1417	1534
875 × 2125	.001		1001
1000 × 2000			
1000×2100	1088	1471	1588
1000×2125	1000		1000
1100×2100			
From 700 × 1875			
Up to 1250 × 2250	1446	1829	1946
ue for size 1230 × 2180 mm:	1.4 W/(m²·K)		
875×2000	4004	4447	4504
875×2125	1034	1417	1534
1000 × 2000			
	1088	1471 158	1588
1100×2100			
From 875 × 1875	1446	1920	1946
Up to 1250 × 2250	1440	1029	1940
ue for size 1230 x 2180 mm:	1.6 W/(m²·K)		
875 × 2000	1034	1417	1534
875 × 2125			
1000 × 2000			
1000×2100	1088	1471	1588
1000×2125			1000
1100×2100			
From 875 × 1875	4440	4000	4040
Up to 1250 × 2250	1446	1829	1946
ue for size 1230 × 2180 mm:	1.6 W/(m²·K)		
	875 × 2000 875 × 2125 1000 × 2000 1000 × 2100 1000 × 2125 1100 × 2250 From 700 × 1750 Up to 1250 × 2250 ue for size 1230 × 2180 mm: 875 × 2000 1000 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2125 1100 × 2125 1100 × 2125 1250 × 2250 ue for size 1230 × 2180 mm: 875 × 2000 875 × 2125 1000 × 2000 1000 × 2125 1100 × 2100 1000 × 2100 1000 × 2100 1000 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125 1100 × 2100 1000 × 2125	## 875 × 2000	## 875 × 2000

Version as a security door with thermal break in resistance class RC 2 Optional extras

See from page 52

See from page 52

MZ Thermo65 Thick Rebate - Steel

Sheet thickness 0.6 - 0.8 mm

Standard sizes / special sizes

Product description

- Steel door leaf overlapping the frame, with thermal break, exterior and interior in the same colour
- Mortice lock (single-point locking) prepared for profile cylinder, with profile cylinder 40.5 + 45.5 mm and 3 keys, without emergency and hazard function
 Ordering size = overall frame dimension (nominal size)

RAL 1015	Light ivory	RAL 6005	Moss green	RAL 9001	Cream
RAL 3000	Flame red	RAL 7016	Anthracite grey	RAL 9002	Grey white
RAL 3003	Ruby red	RAL 7035	Light grey	RAL 9006	White aluminium
RAL 3004	Purple red	RAL 7040	Window grey	RAL 9007	Grey aluminium
RAL 5010	Gentian blue	RAL 8003	Clay brown	CH 703 Anthr	acite Metallic
BAL 5014	Pigeon blue	RAL 8028	Terra brown		



A4 profile

Decor*

	Style description		Size (RAM)	RAL 9016	Color	Decor
	Style THP 011		875×2000			
	 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless 	_	875×2125	1241	1356	1509
	steel look) Lever handle set (lever handle / lever handle) made		1000×2000			
	of plastic, black, rose escutcheon		1000×2100	1295	1410	1563
-	•		1000×2125	1295	1410	1503
	_		1100×2100			
		From	700 × 1750	1653	1768	1921
		Up to	1250 × 2250	1000	1700	1021
	<u> </u>	► U _D -value for size	1230 × 2180 mm: (0.87 W/(m²·K)		
	Style THP 021S - // NEW from 01.07.2019		875×2000		0)	
	 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium/stainless 	_	875×2125	1664	2156 ²⁾	_
	steel look) 3 panes of insulated glass, exterior laminated		1000 × 2000			
	safety glass, float Satinato, interior laminated safety	_	1000×2100	<u> </u>	2210 ²⁾	
-	glass		1000×2125	1716	2210-7	_
	 Plastic glazing frame Lever handle set (lever handle / handle) made of 		1100×2100			
	plastic, black, rose escutcheon	From	700×1875	2072	0500.3)	
	_	Up to	1250 × 2250	2076	2568 ²⁾	_
	01.1. TUD 0540					
	Style THP 051S	_	875 × 2000	1664	2156 ²⁾	_
	 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless 		875×2125	1001	2.00	
	steel look)		1000×2000			
	 3 panes of insulated glass, exterior laminated safety glass, float Satinato, interior laminated safety 	_	1000×2100	4740	2040.2)	
	glass	_	1000×2125	1718	2210 ²⁾	_
	Plastic glazing frameLever handle set (lever handle / lever handle) made	_	1100×2100			
	of plastic, black, rose escutcheon	From	875×1875	2070	0500 3)	
		Up to	1250 × 2250	2076	2568 ²⁾	_

Optional extras See from page 52

Sizes marked with a dot (\bullet) indicate doors in RAL 9016 that are **available from stock**.

- For doors with dark surfaces, the material expansion is particularly high. Therefore, please check the location of the door in the building during consultation. This will ensure trouble-free door operation.
- 1) For decor door surface finishes, the plastic glazing frames are coated in a colour matching the decor
- 2) From 01.07.2019

MZ Thermo46, MZ Thermo65





			MZ Thermo46	MZ Thermo65
Locking				
	Multiple-point locking (hook bolt lock with rose escutcheor Lever handle / lever handle, stainless steel (from door heigh)* t 1875 mm)	444	444
Overhead door closer				
	Prepared for overhead door closer (reinforcement in door le	eaf)	30	30
	Slide rail overhead door closer HDC 35		175	175
	Mechanical hold-open device	Each	66	66
Fittings				£
		Black plastic (standard)	86	86
	Lever handle set type D-110, rose escutcheon, prepared for profile cylinder	Anodised aluminium (F1)*	191	191
		Brushed stainless steel*	251	251
		Black plastic*	132	132
	Lever / knob handle set type D-110, rose escutcheon, prepared for profile cylinder	Anodised aluminium (F1)*	206	206
		Brushed stainless steel*	266	266

MZ Thermo46, MZ Thermo65

With thermal break



				MZ Thermo46	MZ Thermo65
Emergency exit lock acc. to	DIN EN 179 (opening outwards)				£
		With panic function E		161	161
	Escape door with single-point locking (Anti-panic lock with stainless steel lock cover, distance 92 mm, left-hand hinged or right-hand hinged)	With split spindle, passage fu	unction D	194	194
		With split spindle, change-ov function B	/er	194	194
	Multiple-point locking (anti-panic lock with stainless steel cover, distance 92 mm, left-hand hinged or right-hand	With panic function E		480	480
	hinged) A Possible from door height 1990 mm	With split spindle, passage for	unction D	541	541
		Black plastic*		132	132
	Lever/knob handle set type D-110, rose escutcheon, prepared for profile cylinder	Anodised aluminium (F1)*		206	206
		Brushed stainless steel*		266	266
		Black plastic*		132	132
	Anti-panic lever handle set type D-110 with split spindle, rose escutcheon, prepared for profile cylinder	Anodised aluminium (F1)*		206	206
		Brushed stainless steel*		266	266
	Profiles				Per m £
		RAL 9016		53	59
23	Extension profile 25 mm	Color		63	69
		Decor		66	72
		RAL 9016		59	64
3	Extension profile 50 mm	Color		69	74
		Decor		72	77
		RAL 9016	Per box	120	120
	Cover profile (package is sufficient for one door set)	Decor	Per box	161	161
		RAL 9016	Per door	247	247
	Supplementary profile (3-sided), width 20 mm, mitred, incl. corner bracket and fitting screws	Color	Per door	310	310
		Golden Oak, Dark Oak, Titan Metallic CH 703	Per door	321	321

MZ Thermo46, MZ Thermo65





				MZ Thermo46	MZ Thermo65
	Accessories				
	Retractable bottom seal (frame without threshold)			283	283
	Latch switching contact			-	102
	Reed contact (separate) Door leaf and frame prepared			102	102
	Spyhole (style 011)			51	51
	Spyhole, with thermal break, fitted (style 011)			102	102
	Electric strike with day catch (separate)			82	82
•	Stainless steel bottom sheet on the exterior (separate), height size range for style Style Height (RAM) 011 021 051 1875 – 2250 mm	ght 110 mm	Each	180	180
0.000	Screw-in anchor set, length 280 mm (8 × anchors)		Per set	29	29
	Fitting set (10 × screws and 10 × plugs)		Per set	24	24
	Door drip (For doors opening inwards)	RAL 9016	Each	35	35
		Stainless steel look	Each	52	52

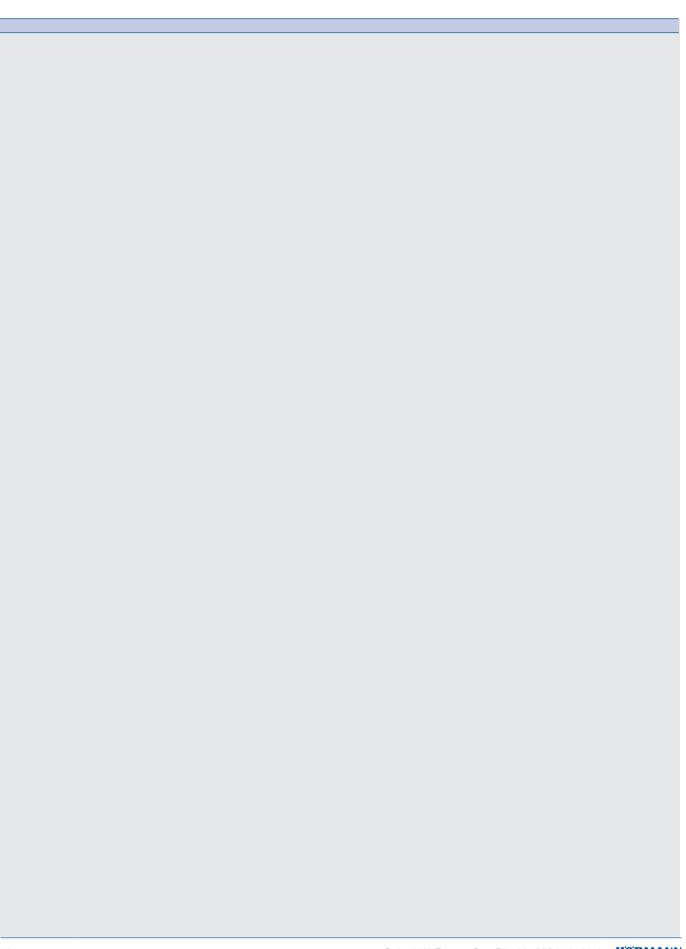
MZ Thermo46, MZ Thermo65



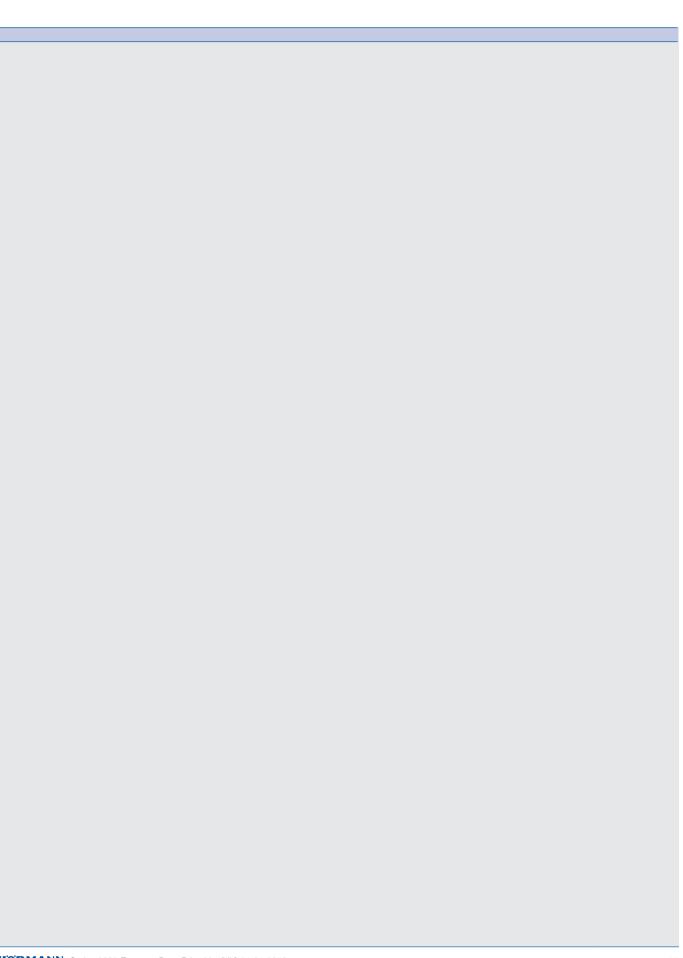


				MZ Thermo46	MZ Thermo65
	Rain canopy	Anodised aluminium		24	24
	Pre-compressed sealing strip (56 mm wide) for groove widths from 6 – 15 mm		Per roll	88	-
	Pre-compressed sealing strip (width 74 mm) for joint width 6–15 mm		Per roll	-	115
↑ ∀	Offset lever height from 775 mm to 1275 mm from FFL (only possible with single-point locking)			91	91
	Bottom spacer profile	Height 30 mm	Each	26	26
		Height 60 mm	Each	51	51
		Height 90 mm	Each	76	76
		Height 120 mm	Each	102	102
		Height 150 mm	Each	127	127
	Base frame profile	Height 15 mm	Each	-	26
	Threshold S12 (optional)		Each	-	35

Notes and Sketches



Notes and Sketches



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