



Series 2000 Entrance Door Price List

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Thermo46 / Thermo65 Entrance Doors



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

Thermo46 Entrance Doors

Entrance door programme

Product description



Product description		Thermo46 – steel TPS												
		010	015	515	020 G	025 G	030 G	040 H	100	200 I	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		46 mm thick												
Fully foamed With thermal break Exterior and interior overlapping the leaf		●	●	●	●	●	●	●	●	●	●	●	●	●
Size ranges (see also page 10)														
Standard sizes (overall frame size)		1000 × 2100 mm and 1100 × 2100 mm												
Special sizes (overall frame size)		"Modern" type A						"Classic"			"Modern" type B			
	700 – 1250 mm Width 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														
Note: For doors with dark surfaces, the material expansion is particularly high. Therefore, please check the location of the door in the building in your consultation meeting. This will ensure trouble-free door operation.														
Standard		●	●	●	●	●	●	●	●	●	●	●	●	●
		<ul style="list-style-type: none"> Painted in Traffic white on both sides, based on RAL 9016 Silk matt, gloss level 35 – 40 % 												
Color		●	●	●	●	●	●	●	●	●	●	●	●	●
		<ul style="list-style-type: none"> 16 preferred colours Painted on both sides, based on the RAL colour chart Silk matt, gloss level 35 – 40 % 												
		RAL 1015 Light ivory			RAL 6005 Moss green			RAL 8028 Terra brown						
		RAL 3000 Fire red			RAL 7016 Anthracite grey			RAL 9001 Cream						
		RAL 3003 Ruby red			RAL 7035 Light grey			RAL 9002 Grey white						
		RAL 3004 Purple red			RAL 7040 Window grey			RAL 9006 White aluminium						
		RAL 5010 Gentian blue			RAL 8003 Clay brown			RAL 9007 Grey aluminium						
		RAL 5014 Pigeon blue												
Decor	Golden Oak	●	●	●	●	●	●	●	●			●	●	●
Foil-coating, both sides	Dark Oak	●	●	●	●	●	●	●	●			●	●	●
	Night Oak	●	●	●	●	●	●	●	●			●	●	●
	Winchester Oak	●	●	●	●	●	●	●	●			●	●	●
	Titan Metallic CH 703	●	●	●	●	●	●	●	●			●	●	●
Seals														
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		●	●	●	●	●	●	●	●	●	●	●	●	●
Lock														
Multiple-point locking with main lock (with soft-lock latch) and 2 bolts, pivoting / hook bolt combination		●	●	●	●	●	●	●	●	●	●	●	●	●
Electric strikes														
Electric strike with day catch (separate)		○	○	○	○	○	○	○	○	○	○	○	○	○
Security bolts														
3 × anti-leverage guard		●	●	●	●	●	●	●	●	●	●	●	●	●

● Standard
○ Optional

Thermo46 Entrance Doors

Entrance door programme

Product description



Product description	Thermo46 – steel TPS												
	010	015	515	020 G	025 G	030 G	040 H	100	200 I	400 I	700 B	750 C	900 D
Thermal insulation value (in W/(m²-K))	For a product description, see page 10 to 12												
► Dependent on the size and frame type	For a product description, see page 10 to 12												
Version in RC 2													
Attack side = opposite hinge side													
RC 2 with aluminium frame, hook bolt lock, profile cylinder with drilling and pull-off protection as well as security card	○	○	○						○				
RC 2 with aluminium frame, hook bolt lock, profile cylinder with drilling and pull-off protection as well as security card and safety glass (P4A)											○	○	○
Size ranges													
Size ranges in which an RC 2 version is possible	832 – 1250 mm Width 1875 – 2250 mm Height	○									○	○	○
	875 – 1250 mm Width 1875 – 2250 mm Height		○	○									
	875 – 1100 mm Width 1875 – 2186 mm Height								○				
Fittings													
Hinges													
3 two-part guide rollers (180 mm), 3-way adjustable with cover caps (stainless steel look)	●	●	●	●	●	●	●	●	●	●	●	●	●
Door handle (exterior)													
Exterior handle HB 14-2, brushed stainless steel	●	●	●	●	●	●	●	●	●	●	○	○	○
Exterior handle HB 38-2, brushed stainless steel	○	○	○	○	○	○	○	○	○	○	●	●	●
Door handle (interior)													
Stainless steel lever handle	●	●	●	●	●	●	●	●	●	●	●	●	●
Rose escutcheon (exterior and interior)													
Oval stainless-steel profile cylinder rose escutcheons	●	●	●	●	●	●	●	●	●	●	●	●	●
Profile cylinder													
Cylinder length 35.5 × 27.5 mm with 5 keys	●	●	●	●	●	●	●	●	●	●	●	●	●
Glazing frames													
Round-style plastic, clipped				●	●	●	●						
Profile-style plastic, clipped With surface-mounted plastic rails									●	●			
Stainless steel, bonded											●	●	●
Glazing (For details on glass design see style descriptions on page 10 to 12)													
G Insulated double glazing, Mastercarré				●	●	●							
H Insulated double glazing, ornamental glass 504 with fine structure							●						
I Insulated double glazing, cathedral glass small hammered finish									●	●			
B Insulated triple glazing, sand-blasted float with 7 clear stripes											●		
C Insulated triple glazing, sand-blasted float with 5 clear stripes												●	
D Insulated triple glazing, sand-blasted float with 4 clear stripes													●
Frames													
• Aluminium block frame with aluminium/ plastic threshold, with thermal break, colour matching the door leaf	●	●	●	●	●	●	●	●	●	●	●	●	●
Side element / transom light													
• For doors opening inwards	○	○	○	○	○	○	○	○	○	○	○	○	○

Thermo46 Entrance Doors

Entrance door programme

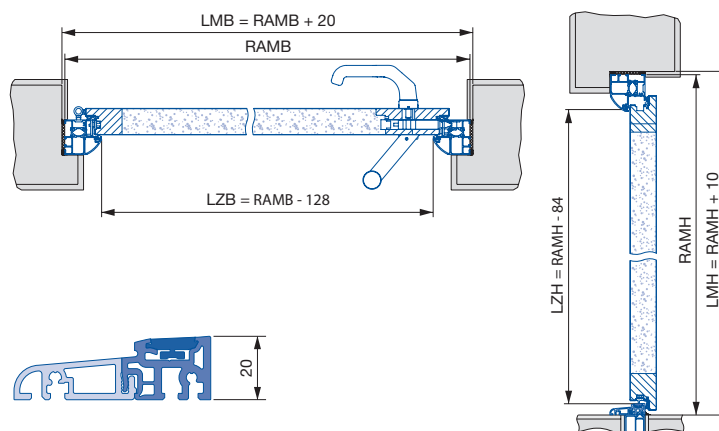
Technical presentation of door set



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 x 2100	1020 x 2110	872 x 2016
1100 x 2100	1120 x 2110	972 x 2016

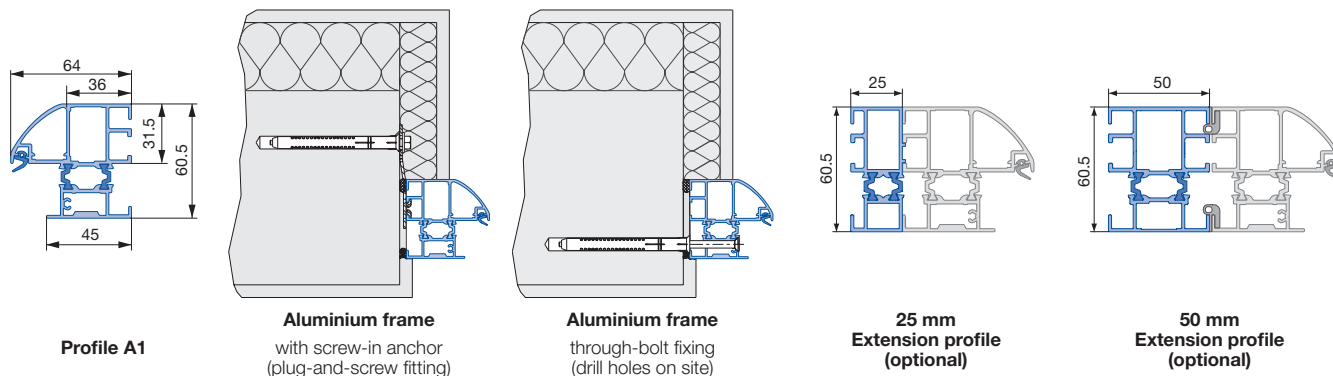
Special sizes		
TPS Styles	Overall frame dimension	
	Width	Height
010 / 020 / 030 / 040 / 700 / 750	700 – 1250	1875 – 2250
900	800 – 1250	1875 – 2250
015 / 025 / 515	875 – 1250	1875 – 2250
100 / 400	875 – 1100	1875 – 2186
200	875 – 1100	1990 – 2186



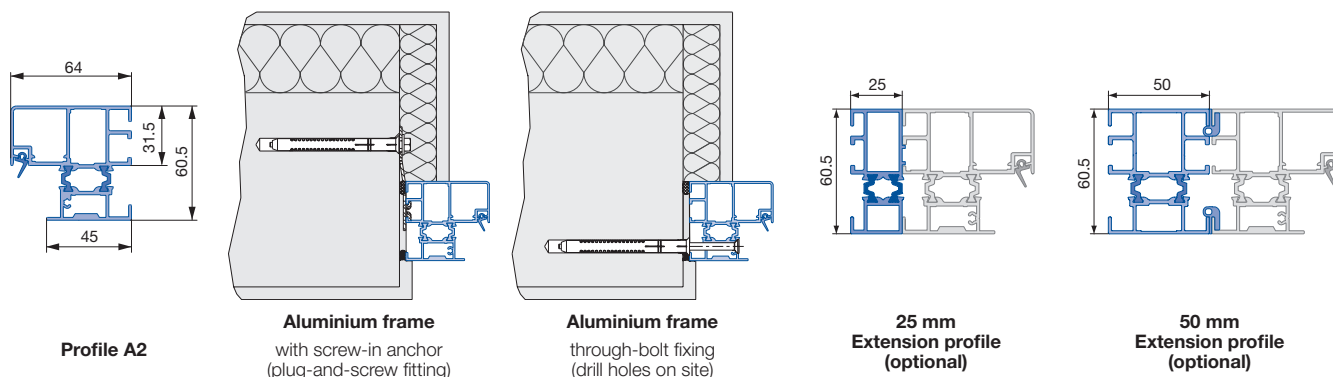
RAMB Overall frame width
RAMH Overall frame dimension height

LMB Structural opening width
LMH Structural opening height
LZB Clear frame dimension width
LZH Clear frame dimension height

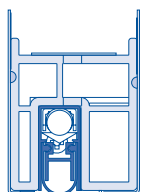
Wall connections for frames



Wall connections for frames



Retractable bottom seal (option)



Thermo46 Entrance Doors

Entrance door programme

Technical presentation of door set with side element / transom light



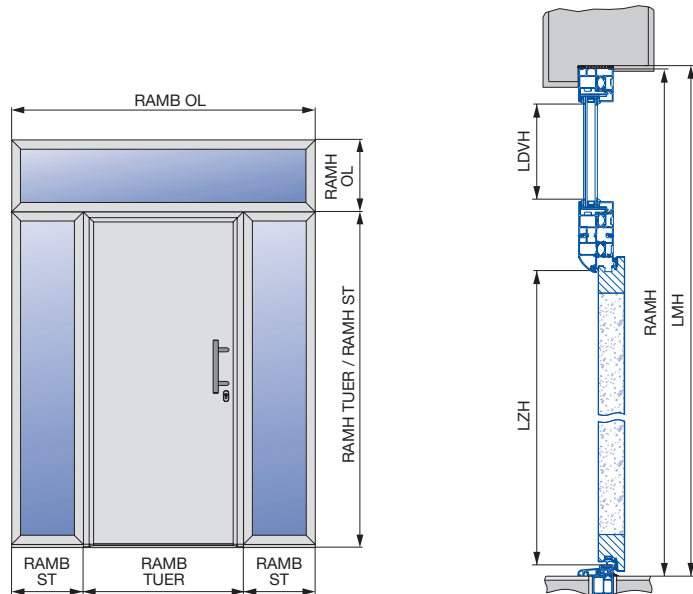
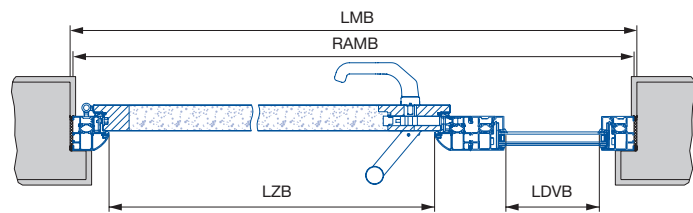
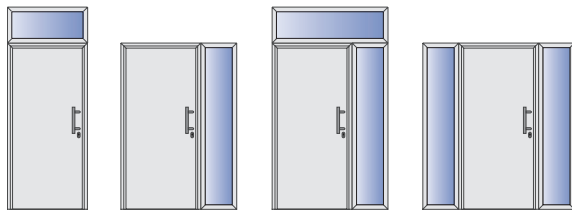
TPS entrance doors with side element / transom light

Standard sizes – Side element		
TPS Styles	Overall frame dimension	
	Width	Height
010/015/515/020/025/030/ 040/700/750/900	400	2100
100/200/400	450	2100

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

Size range – Transom light		
TPS Styles	Overall frame dimension	
	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



RAMB Overall frame width
RAMH Overall frame dimension height
TUER Door
ST Side element
OL Transom light

LMB Structural opening width
LMH Structural opening height
LZB Clear frame dimension width
LZH Clear frame dimension height
LDVB Glazing clear view width
LDVH Glazing clear view height

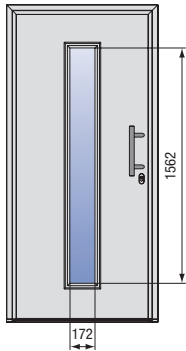
Thermo46 Entrance Doors

Entrance door programme

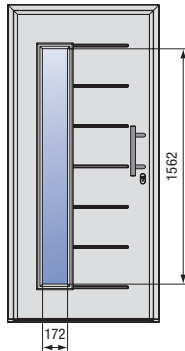
Presentation of door set with glazing



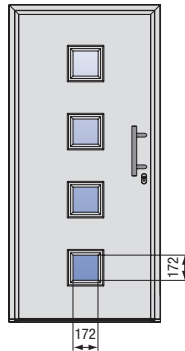
Clear view for styles with glazing



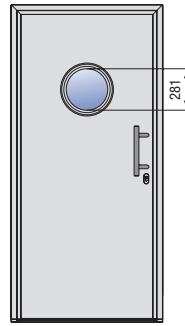
TPS 020G



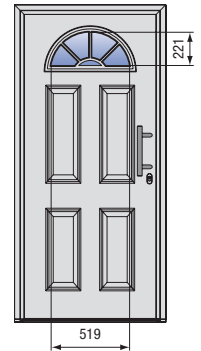
TPS 025G



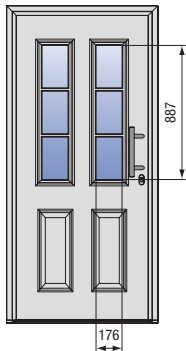
TPS 030G



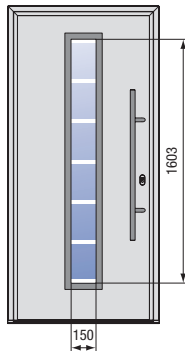
TPS 040H



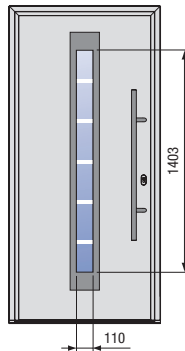
TPS 200I



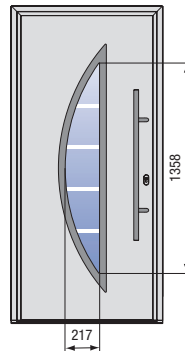
TPS 400I



TPS 700B



TPS 750C



TPS 900D



An eye on the future

Sustainable Production for Trend-Setting Construction

- Environmental Product Declaration (EPD) according to ISO 140425 for all Hörmann entrance doors, function doors, multi-function doors and box frame parts
- Confirmed by the Institut für Fenstertechnik (ift – Institute of window technology) in Rosenheim
- Life-cycle analysis in accordance with DIN ISO 14040 / 14044 documents environmentally-friendly production

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Thermo46 Entrance Doors – Steel

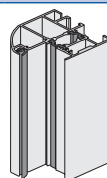
Entrance door programme



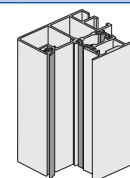
For a product description, see from page 4

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

Color 16 preferred colours (see page 4)
Decor 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 010 <ul style="list-style-type: none"> • Smooth sheet • Handle HB 14-2 	1000 × 2100	1050	1265	1307	1050	1265	1307
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	1391	1606	1648	1391	1606	1648
▶ U _b -value for size 1230 × 2180 mm: 1.1 W/(m ² ·K)								
	Style TPS 015 <ul style="list-style-type: none"> • Ribbed sheet with 7 ribs • Handle HB 14-2 	1000 × 2100	1128	1343	1385	1128	1343	1385
		1100 × 2100						
		From 875 × 1875 to 1250 × 2250	1469	1684	1726	1469	1684	1726
▶ U _b -value for size 1230 × 2180 mm: 1.1 W/(m ² ·K)								
	Style TPS 515 <ul style="list-style-type: none"> • Ribbed sheet with 3 ribs • Handle HB 14-2 	1000 × 2100	1128	1343	1385	1128	1343	1385
		1100 × 2100						
		From 875 × 1875 to 1250 × 2250	1469	1684	1726	1469	1684	1726
▶ U _b -value for size 1230 × 2180 mm: 1.1 W/(m ² ·K)								
	Style TPS 020G <ul style="list-style-type: none"> • Smooth sheet • 2 panes of insulated glass, exterior laminated safety glass – interior Mastercarré single-pane safety glass • Plastic glazing frame in door leaf colour (exception: decor surface finish*) • Handle HB 14-2 	1000 × 2100	1438	1908	1949	1438	1908	1949
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	1779	2249	2290	1779	2249	2290
▶ U _b -value for size 1230 × 2180 mm: 1.4 W/(m ² ·K)								
	Style TPS 025G <ul style="list-style-type: none"> • Ribbed sheet • 2 panes of insulated glass, exterior laminated safety glass – interior Mastercarré single-pane safety glass • Plastic glazing frame in door leaf colour (exception: decor surface finish*) • Handle HB 14-2 	1000 × 2100	1515	1985	2026	1515	1985	2026
		1100 × 2100						
		From 875 × 1875 to 1250 × 2250	1856	2326	2367	1856	2326	2367
▶ U _b -value for size 1230 × 2180 mm: 1.4 W/(m ² ·K)								

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

Thermo46 Entrance Doors – Steel

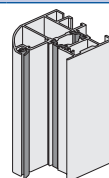
Entrance door programme



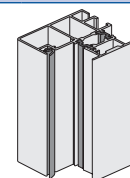
For a product description, see from page 4

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

Color 16 preferred colours (see page 4)
Decor 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 030G <ul style="list-style-type: none"> • Smooth sheet • 2 panes of insulated glass, exterior laminated safety glass – interior Mastercarré single-pane safety glass • Plastic glazing frame in door leaf colour (exception: decor surface finish*) • Handle HB 14-2 	1000 × 2100	1519	1989	2030	1519	1989	2030
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	1861	2331	2372	1861	2331	2372
▶ U _b -value for size 1230 × 2180 mm: 1.3 W/(m ² ·K)								
	Style TPS 040H <ul style="list-style-type: none"> • Smooth sheet • 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety ornamental glass 504 with fine structure • Plastic glazing frame in door leaf colour (exception: decor surface finish*) • Handle HB 14-2 	1000 × 2100	1408	1878	1919	1408	1878	1919
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	1750	2220	2261	1750	2220	2261
▶ U _b -value for size 1230 × 2180 mm: 1.2 W/(m ² ·K)								
	Style TPS 100 <ul style="list-style-type: none"> • Panelled sheet • Handle HB 14-2 	1000 × 2100	1078	1293	-	1078	1293	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	1420	1635	-	1420	1635	-
▶ U _b -value for size 1230 × 2180 mm: 1.1 W/(m ² ·K)								
	Style TPS 2001 <ul style="list-style-type: none"> • Panelled sheet • 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	1188	1658	-	1188	1658	-
		1100 × 2100						
		From 875 × 1990 to 1100 × 2186	1530	2000	-	1530	2000	-
▶ U _b -value for size 1230 × 2180 mm: 1.2 W/(m ² ·K)								
	Style TPS 4001 <ul style="list-style-type: none"> • Panelled sheet • 2 panes of insulated glass, exterior laminated 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	1270	1740	-	1270	1740	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	1611	2081	-	1611	2081	-
▶ U _b -value for size 1230 × 2180 mm: 1.5 W/(m ² ·K)								

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

Thermo46 Entrance Doors – Steel

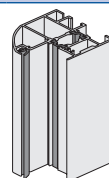
Entrance door programme



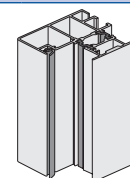
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- Aluminium frame
- Multiple-point lock

Color 16 preferred colours (see page 4)
Decor 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 <ul style="list-style-type: none"> • 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	1877	2092	2134	1877	2092	2134
		1100 × 2100						
		From 700 × 1875	2219	2434	2476	2219	2434	2476
		to 1250 × 2250						
▶ U _b -value for size 1230 × 2180 mm: 1.3 W/(m ² ·K)								
	Style TPS 750C <ul style="list-style-type: none"> • 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	1877	2092	2134	1877	2092	2134
		1100 × 2100						
		From 700 × 1875	2219	2434	2476	2219	2434	2476
		to 1250 × 2250						
▶ U _b -value for size 1230 × 2180 mm: 1.2 W/(m ² ·K)								
	Style TPS 900D <ul style="list-style-type: none"> • 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	2046	2261	2303	2046	2261	2303
		1100 × 2100						
		From 800 × 1875	2388	2603	2645	2388	2603	2645
		to 1250 × 2250						
▶ U _b -value for size 1230 × 2180 mm: 1.2 W/(m ² ·K)								

Thermo46 Entrance Doors

Entrance door programme

Accessories



Exterior door handles (included in door price)				£
	<p>Handle HB 14-2</p> <ul style="list-style-type: none"> 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 	<p>Surcharge for conversion to handle HB 14-2</p>		122
	<p>Handle HB 38-2</p> <ul style="list-style-type: none"> Brushed stainless steel Standard with styles TPS 700, TPS 750 and TPS 900 	<p>Surcharge for conversion to handle HB 38-2</p>		122
	<p>Handle HB 38-3</p> <ul style="list-style-type: none"> Brushed stainless steel 	<p>Surcharge for conversion to handle HB 38-3</p>		122
Rose escutcheon				£
	<p>Exterior oval rose escutcheon (screwed)</p>		Each	45
ES 0 fittings		Including profile cylinder with 5 keys	Surcharges	£
	Knob / lever		Stainless steel	Each 122
	Lever / lever		Stainless steel	Each 122
ES 1 fittings		Including profile cylinder with 5 keys	Surcharges	£
Note: ES 1 fittings are only possible from a RAM of 900 mm for style TPS 400.				
	Knob / lever		Stainless steel	Each 332
	Lever / lever		Stainless steel	Each 332

Thermo46 Entrance Doors

Entrance door programme

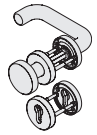
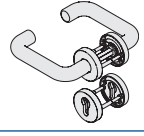
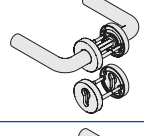
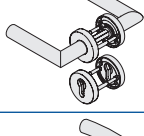
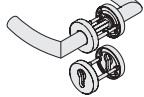
Accessories



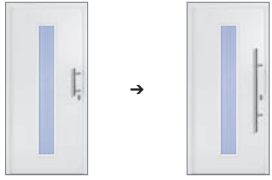

Rose escutcheons	Including profile cylinder with 5 keys	Surcharges	£
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Note:

The rose escutcheons are only possible from a RAM width of 900 mm for the style TPS 400.

	Knob / lever handle, type D-110	Stainless steel	Each	122
	Lever handle / lever handle, type D-110	Stainless steel	Each	122
	Lever handle / lever handle, type D-210	Stainless steel	Each	122
	Lever handle / lever handle, type D-310	Stainless steel	Each	122
	Lever handle / lever handle, type D-510	Stainless steel	Each	122

Calculation example	£
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<p>Conversion TPS 020 with HB 14-2 to HB 38-2</p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Style TPS 020 in RAL 9016 with profile A1 (standard size)</td> <td style="text-align: right;">1438</td> </tr> <tr> <td>+ Conversion from handle HB 14-2 to handle HB 38-2</td> <td style="text-align: right;">122</td> </tr> <tr style="border-top: 1px solid black;"> <td>= Total</td> <td style="text-align: right;">1560</td> </tr> </table>	Style TPS 020 in RAL 9016 with profile A1 (standard size)	1438	+ Conversion from handle HB 14-2 to handle HB 38-2	122	= Total	1560
Style TPS 020 in RAL 9016 with profile A1 (standard size)	1438							
+ Conversion from handle HB 14-2 to handle HB 38-2	122							
= Total	1560							
<p>Conversion TPS 700 with HB 38-2 to fitting ES 1</p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Style TPS 700 in RAL 9016 with profile A1 (standard size)</td> <td style="text-align: right;">1877</td> </tr> <tr> <td>+ Surcharge for ES 1 stainless steel knob / lever fitting</td> <td style="text-align: right;">332</td> </tr> <tr style="border-top: 1px solid black;"> <td>= Total</td> <td style="text-align: right;">2209</td> </tr> </table>	Style TPS 700 in RAL 9016 with profile A1 (standard size)	1877	+ Surcharge for ES 1 stainless steel knob / lever fitting	332	= Total	2209
Style TPS 700 in RAL 9016 with profile A1 (standard size)	1877							
+ Surcharge for ES 1 stainless steel knob / lever fitting	332							
= Total	2209							

Advanced handle and letter plate options for styles TPS 100, TPS 200 and TPS 400	£
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Silver aluminium sleeved letter plate only TPS 100, TPS 200 and TPS 400 **45**

Accessories	surcharge	£
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<p>Prepared for letter drop (TPS 010, 040, 100, 200, 400)</p>	per door	38
--	----------	-----------

Glazing separative horizontal rail in the side element (only in RAL 9016 and Colour)	per side element	£
--	------------------	---



<p>Rail in the side element (not milled)</p> <ul style="list-style-type: none"> • Glazing separative horizontal rail 	per side element	205
--	------------------	------------

<p>Rail in the side element (milled)</p> <ul style="list-style-type: none"> • glazing separative horizontal rail • milled for installation of a letter plate from size \geq 450 mm (width) 	per side element	242
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Thermo46 Entrance Doors

Entrance door programme

Accessories

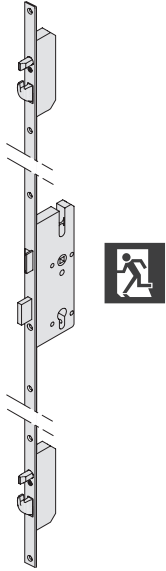


Emergency exit lock acc. to EN 179

£

Note:

The rose escutcheons are only possible from a RAM width of 900 mm for the style TPS 400.

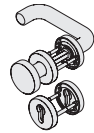


// NEW

Multiple-point locking with anti-panic function E

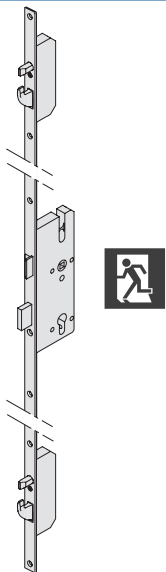
Each **154**

- Panic lock with stainless steel lock cover, distance 92 mm
- For the size range 1990 – 2250 mm



Lever / knob handle set, rosette prepared for profile cylinder

Black plastic	Each	128
Anodised aluminium (F1)	Each	198
Brushed stainless steel	Each	255

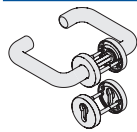


// NEW

Multiple-point locking with passage function D

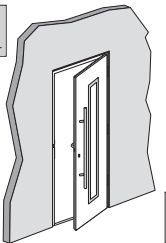
Each **213**

- Panic lock with stainless steel lock cover, distance 92 mm
- For the size range 1990 – 2250 mm



Anti-panic lever handle set with split spindle, rose escutcheon prepared for profile cylinder

Black plastic	Each	128
Anodised aluminium (F1)	Each	198
Brushed stainless steel	Each	255



Door set opening outwards

(all approved characteristics will no longer apply!)

Per door **72**

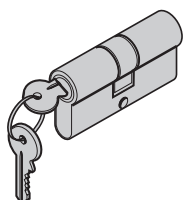
Thermo46 Entrance Doors

Entrance door programme

Accessories



Profile cylinder			£
Profile cylinder (35.5 + 27.5 mm) For HB 14-2, HB 38-2 and HB 38-3 push bars	With 8 keys	Each	49
	With 10 keys	Each	58
Profile cylinder (40.5 + 31.5 mm) For ES 0 fittings	With 5 keys	Each	36
	With 8 keys	Each	49
	With 10 keys	Each	58
Profile cylinder (40.5 + 31.5 mm) with drilling and pull-off protection and security card For fittings ES 1 and push bar with security rose escutcheon ES 1	With 5 keys	Each	75
	With 8 keys	Each	102
	With 10 keys	Each	119
Profile cylinder, keys to pass for push bar or fittings ES 0	With 5 keys	Each	36
	With 8 keys	Each	49
	With 10 keys	Each	58
Profile cylinder, keys to pass, with drilling and pull-off protection and security card for ES 1 fittings	With 5 keys	Each	75
	With 8 keys	Each	102
	With 10 keys	Each	119



Note:

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

Note:

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

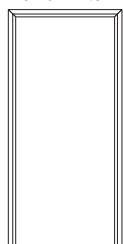
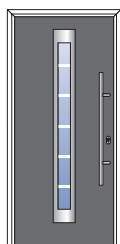
Door leaf and frame in different colours/surfaces

Colours of door leaf and frame differ

Example

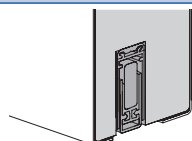
Door leaf
Anthracite grey

Frame
Traffic white



Door leaf	Frame	Price for entrance door with surface
RAL 9016	Color	Color
RAL 9016	Decor	Decor
Color	RAL 9016	Color
Color	Decor	Decor
Decor	RAL 9016	Decor
Decor	Color	Decor

Retractable bottom seal



Retractable bottom seal
(Frame without threshold)

Each **270**

Note:

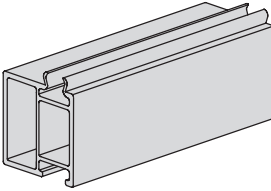
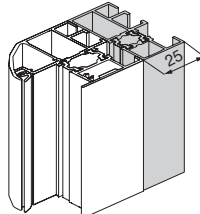
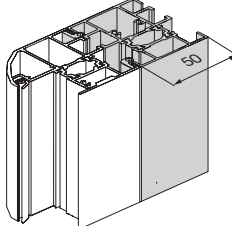
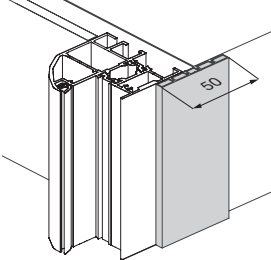
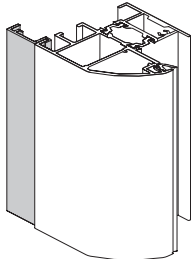
The performance characteristics thermal insulation (U_D) and water-tightness under heavy rain are limited!

Thermo46 Entrance Doors

Entrance door programme

Accessories



Profiles						£
	Bottom spacer profile	Length up to 1250 mm	Height 30 mm	Each	25	
			Height 60 mm	Each	49	
			Height 90 mm	Each	73	
			Height 120 mm	Each	97	
			Height 150 mm	Each	121	
		Length up to 2250 mm	Height 30 mm	Each	40	
			Height 60 mm	Each	80	
			Height 90 mm	Each	119	
			Height 120 mm	Each	159	
			Height 150 mm	Each	198	
		Length up to 3250 mm	Height 30 mm	Each	58	
			Height 60 mm	Each	115	
			Height 90 mm	Each	172	
			Height 120 mm	Each	229	
			Height 150 mm	Each	286	
	Extension profile 25 mm					
	Dimensions (W x D): 25 x 60.5 mm					
	RAL 9016	Per m	51			
	Color	Per m	60			
	Extension profile 50 mm					
	Dimensions (W x D): 50 x 60.5 mm					
	RAL 9016	Per m	57			
	Color	Per m	60			
	Cover profile					
	Per package 2 x 2300 mm and 1 x 1300 mm Dimensions (W x D): 50 x 5 mm Profiles sufficient for a door without side elements/transom light.					
	RAL 9016	Per box	115			
	Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per box	153			
	Supplementary profile (on 3 sides)					
	Width 20 mm, mitred, incl. corner bracket and fitting screws					
	RAL 9016	Per door	236			
Color	Per door	296				
Golden Oak, Dark Oak, Titan Metallic CH 703	Per door	306				

Thermo46 Entrance Doors

Entrance door programme

Accessories



Door closer		£
	Door leaf prepared for overhead door closer (reinforcement in door leaf)	Each 29
	Overhead door closer HDC 35 for fitting on the hinge side For aluminium frame profile A1 or A2	Each 168
	Overhead door closer HDC 35 for fitting on the opposite hinge side For aluminium frame profile A2	Each 168
	Mechanical hold-open device	Each 63

Accessories

	Electric strike with day catch (separate)	Each 79
--	---	----------------

	Door set opening outwards (all approved characteristics will no longer apply!)	Per door 72
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	Spyhole (fitted) (only for TPS 010, TPS 015, TPS 100, TPS 200, TPS 400 and TPS 515)	Each 49
--	---	----------------

	Rain canopy Anodised aluminium	Each 22
--	--	----------------

	Door drip	RAL 9016 Traffic white	Each 33
		Stainless steel look	Each 50

	Stainless steel cleaner and care product (150 ml)	Each 31
--	---	----------------

	Stainless steel bottom sheet on the exterior (separate)							
	<ul style="list-style-type: none"> • Bottom sheet height 110 mm • Size range of heights for style 							
	<table border="1"> <thead> <tr> <th>Style</th> <th>Height (RAM)</th> </tr> </thead> <tbody> <tr> <td>TPS 010 / TPS 040</td> <td>1875 – 2250 mm</td> </tr> <tr> <td>TPS 015 / TPS 020 / TPS 025 / TPS 030 / TPS 100 / TPS 200 / TPS 400 / TPS 515 / TPS 700 / TPS 750 / TPS 900</td> <td>2050 – 2250 mm</td> </tr> </tbody> </table>	Style	Height (RAM)	TPS 010 / TPS 040	1875 – 2250 mm	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	Per door
Style	Height (RAM)							
TPS 010 / TPS 040	1875 – 2250 mm							
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							

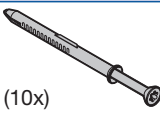
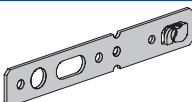
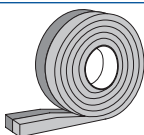
Note:
Not in combination with embellishments in stainless steel look, view 451, 454, 457, 459, 750 and 751.








Thermo46 Entrance Doors








Entrance door programme

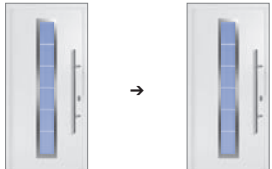
Accessories



Fitting material		£
 (10x)	Fitting set 10 x screws and 10 x plugs	Per set 22
	Screw-in anchor set Length 280 mm (8 x anchors)	Per set 28
	Pre-compressed sealing strip (56 mm wide) for groove widths from 6 – 15 mm 5.90 m roll (approved for RAL fitting)	Per roll 84

Entrance door in RC 2 version (for a product description, see page 5)		£
Attack side = opposite hinge side		
   	Package HB 14-2 with security rose escutcheon	Stainless steel Per door 262
	ES 1 fittings	Knob / lever Stainless steel Per door 332
		Lever / lever Stainless steel Per door 332
  	Package HB 38-2 with security rose escutcheon and safety glass (P4A)	Stainless steel Per door 394
	Fittings ES 1 and safety glass (P4A)	Knob / lever Stainless steel Per door 464
		Lever / lever Stainless steel Per door 464

Approved size range for RC 2 version for each style		
   		 
Width	832 – 1250	875 – 1100
Height	1875 – 2250	1875 – 2186
		875 – 1250
		1875 – 2250

Example for calculating an entrance door in an RC 2 version		£
<p>Conversion TPS 700 with HB 38-2 to package HB 38-2 with security rose escutcheon</p> 	<p>Style TPS 700 in RAL 9016 with profile A1 (standard size) 1877</p> <p>+ Conversion for package HB 38-2 with security rose escutcheon 394</p> <p>= Total 2271</p>	

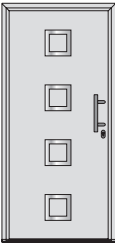




Secured By Design option		£
 <p>Secured by Design in conjunction with the Association of Chief Police Officers, is a security upgrade to help combat crime. The fully accredited door will come supplied with a high security cylinder complete with registration card and 3 security keys.</p> <p>Available on styles 100, 700, 900, 010, 030, 040 and 015</p>		111

Thermo46 Entrance Doors

Entrance door programme

Accessories



Embellishments in stainless steel look for style TPS 010 (on the exterior)				Surcharge	£
	View 451	Stainless steel frames Overall dimension 240 x 240 mm Inside dimension 160 x 160 mm	Style TPS 010	Per door	232
	View 454	Stainless steel frames Overall dimension 145 x 145 mm	Style TPS 010	Per door	232
	View 457	Curved stainless steel frames	Style TPS 010	Per door	232
	View 459	Stainless steel rings Overall dimension Ø 240 mm Inside dimension Ø 160 mm	Style TPS 010	Per door	232
	View 750	Stainless steel frame over entire leaf height	Style TPS 010	Per door	232
	View 751	3 parallel stainless steel strips over the entire leaf height	Style TPS 010	Per door	232

Thermo46 Entrance Doors

Entrance door programme

Accessories



Embellishments in stainless steel look (on the exterior)

£



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	Per door	181
Style TPS 025	Per door	181
Style TPS 515	Per door	120



TPS 015



TPS 515

Embellishment in stainless steel look view 401 Inlay length 118 mm per rib

Style TPS 015	Per door	181
Style TPS 515	Per door	120



TPS 015



TPS 025



TPS 515

Embellishment in stainless steel look view 402 Inlay length 118 mm per rib

Style TPS 015	Per door	181
Style TPS 025	Per door	181
Style TPS 515	Per door	120



TPS 015



TPS 515

Embellishment in stainless steel look view 403 Inlay length 2 x 118 mm per rib

Style TPS 015	Per door	181
Style TPS 515	Per door	120

Thermo46 Entrance Doors

Entrance door programme

Side elements and transom lights



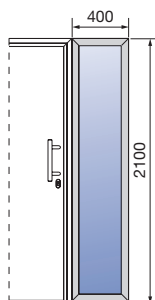
Side element

Fixed side element assembly

Note:

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

Standard size



Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
400 x 2100	Mastercarré	723	841	878
	Clear glass	723	841	878
	Sand-blasted float	723	841	878
	Ornamental glass 504	723	841	878
	Cathedral glass	723	841	878
	Sand-blasted float with clear stripes	1220	1338	1375

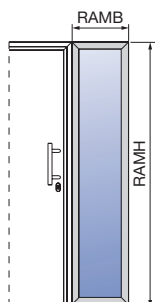
Side element

Fixed side element assembly

Note:

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

Special sizes



Ordering sizes RAM up to (mm) Width x height	Glass	RAL 9016	Color	Decor
From 300 x 1875 to 500 x 2250	Clear glass, Mastercarré, ornamental glass 504, cathedral glass or sand-blasted float according to overview on page 23	900	1018	1055
to 1000 x 2250 *		1075	1193	1230
From 300 x 1875 to 500 x 2250	Sand-blasted float with clear stripes according to overview on page 23	1528	1645	1683
to 1000 x 2250 *		1701	1819	1856

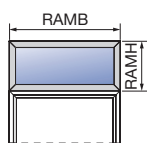
* Only possible without transom light
Door set with side element does not have a statics function. Statics must be ensured by the building structure.

Transom light

Fixed transom light assembly

Note:

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



Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
From 700 x 300 to 1250 x 500	Clear glass, Mastercarré, ornamental glass 504, cathedral glass or sand-blasted float according to overview on page 23	681	798	836
to 2250 x 500		900	1018	1055

RAMB = Overall frame width

RAMH = Overall frame dimension height

Thermo46 Entrance Doors

Entrance door programme

Overview of panels / glass for side elements



Infill/size range

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

	Style	Glass (Interior pane)	Size range	
			Side element	Transom light
"Modern" type A	<p>TPS 010 TPS 015 TPS 515</p>	<ol style="list-style-type: none"> 1. Mastercarré single-pane safety glass 2. Single-pane safety glass ornamental glass 504 3. Sand-blasted laminated safety glass (without clear stripes) 4. Clear laminated safety glass 	<p>Width 300 – 1000 mm</p> <p>Height 1875 – 2250 mm</p>	<p>Width 700 – 2250 mm</p> <p>Height 300 – 500 mm</p>
	<p>TPS 020 TPS 025 TPS 030</p>	<ol style="list-style-type: none"> 1. Mastercarré single-pane safety glass 2. Laminated safety glass, clear 	<p>Width 300 – 1000 mm</p> <p>Height 1990 – 2250 mm</p>	<p>Width 700 – 2250 mm</p> <p>Height 300 – 500 mm</p>
	<p>TPS 040</p>	<ol style="list-style-type: none"> 1. Single-pane safety glass ornamental glass 504 2. Laminated safety glass, clear 	<p>Width 300 – 1000 mm</p> <p>Height 1875 – 2250 mm</p>	<p>Width 700 – 2250 mm</p> <p>Height 300 – 500 mm</p>
"Classic"	<p>TPS 100 TPS 200 TPS 400</p>	<ol style="list-style-type: none"> 1. Single-pane safety cathedral glass 2. Laminated safety glass, clear 	<p>Width 300 – 1000 mm</p> <p>Height 1875 – 2186 mm</p>	<p>Width 875 – 2000 mm</p> <p>Height 300 – 500 mm</p>
"Modern" type B	<p>TPS 700 TPS 750 TPS 900</p>	<ol style="list-style-type: none"> 1. Sand-blasted laminated safety glass (without clear stripes) 2. Laminated safety glass, clear 	<p>Width 300 – 1000 mm</p> <p>Height 1875 – 2250 mm</p>	<p>Width 700 – 2250 mm</p> <p>Height 300 – 500 mm</p>
	<p>TPS 700 TPS 750 TPS 900</p>	<ol style="list-style-type: none"> 3. Sand-blasted laminated safety glass with clear stripes (only in side element) 		

Thermo65 Entrance Doors

Entrance door programme

Product description



Product description		Thermo65 – steel THP																
		010	015	515	100	410 S	430 E	450 E	600 S	700 B	750 C	800 S	810 E	820 S	850 B	900 D		
Door leaf structure		// NEW																
Smooth sheet		●							●	●	●	●	●	●	●	●		
Ribbed sheet			●	●														
Panelled sheet					●	●	●	●										
Door leaf thickness		65 mm thick																
Fully foamed, with thermal break, Exterior and interior overlapping the leaf		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Size ranges (see also page 30)																		
Standard sizes (overall frame size)		1000 × 2100 mm and 1100 × 2100 mm																
Special sizes (overall frame size)		700–1250 mm Width	●								●	●	●	●				
		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																
Surface finish																		
Note:		For doors with dark surfaces, the material expansion is particularly high. Therefore, please check the location of the door in the building in your consultation meeting. This will ensure trouble-free door operation.																
Standard		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		<ul style="list-style-type: none"> Painted in Traffic white on both sides, based on RAL 9016 Silk matt, gloss level 35–40 % 																
Color		●	●	●	●				●	●	●	●	●	●	●	●		
		<ul style="list-style-type: none"> 16 preferred colours Painted on both sides, based on the RAL colour chart Silk matt, gloss level 35–40 % 																
		RAL 1015 Light ivory				RAL 6005 Moss green				RAL 8028 Terra brown								
		RAL 3000 Fire red				RAL 7016 Anthracite grey				RAL 9001 Cream								
		RAL 3003 Ruby red				RAL 7035 Light grey				RAL 9002 Grey white								
		RAL 3004 Purple red				RAL 7040 Window grey				RAL 9006 White aluminium								
		RAL 5010 Gentian blue				RAL 8003 Clay brown				RAL 9007 Grey aluminium								
		RAL 5014 Pigeon blue																
Decor		●	●	●					●	●	●	●	●	●	●	●		
Foil-coating, both sides		●	●	●					●	●	●	●	●	●	●	●		
		●	●	●					●	●	●	●	●	●	●	●		
		●	●	●					●	●	●	●	●	●	●	●		
		●	●	●					●	●	●	●	●	●	●	●		
		●	●	●					●	●	●	●	●	●	●	●		
Seals																		
Door leaf: 4-sided, double seals		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Frame: 3-sided seals		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Lock																		
Multiple-point locking with main lock (with soft-lock latch) and 2 bolts, pivoting / hook bolt combination, main lock plate with adjustable latch slot, secondary lock plates with eccentric adjustment		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Electric strikes																		
Electric strike with day catch (separate)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
Security bolts																		
Safety strip on the hinge side		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Frames																		
Aluminium block frame with thermal break (colour matching the door leaf)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
With aluminium / plastic threshold with thermal break (can be exchanged later)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		

● Standard
○ Optional

Thermo65 Entrance Doors

Entrance door programme

Product description



Product description	Thermo65 – steel THP														
	010	015	515	100	410 S	430 E	450 E	600 S	700 B	750 C	800 S	810 E	820 S	850 B	900 D
Thermal insulation value (in W/(m²-K))	// NEW														
► Dependent on the size and frame type	For a product description, see from page 30														
Version in RC 2															
Attack side = hinge side or opposite hinge side															
RC 2 with aluminium frame, hook bolt lock, profile cylinder with drilling and pull-off protection as well as security card and guide rollers	○	○	○												
RC 2 with aluminium frame, hook bolt lock, profile cylinder with drilling and pull-off protection as well as security card, guide rollers and safety glass P4A									○	○	○	○		○	○
RC 2 with side element / transom light (P4A safety glass)	○	○	○						○	○	○	○		○	○
Attack side = opposite hinge side															
RC 2 with aluminium frame, multiple-point locking (entrance door automation), profile cylinder with drilling and pull-off protection as well as security card and guide rollers	○	○	○												
RC 2 with aluminium frame, multiple-point locking (entrance door automation), profile cylinder with drilling and pull-off protection as well as security card, guide rollers and safety glass P4A									○	○	○	○		○	○
Size ranges															
Size ranges in which an RC 2 version is possible	832 – 1250 mm Width	○							○	○	○	○		○	○
	1875 – 2250 mm Height														
	875 – 1250 mm Width		○	○											
	1875 – 2250 mm Height														
Fittings															
Hinges															
3 two-part guide rollers (180 mm), 3-way adjustable, with cover caps (stainless steel look), with securing pin	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Door handle (exterior)															
Exterior handle HB 14-2, brushed stainless steel	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Exterior handle HB 38-2, brushed stainless steel	○	○	○	○	○	○	○	●	●	●	●	●	●	●	●
Door handle (interior)															
Stainless steel lever handle	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rose escutcheon (exterior and interior)															
Oval stainless-steel profile cylinder rose escutcheons	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Profile cylinder															
Cylinder length 40.5 × 40.5 mm, with 5 keys, with emergency and hazard function	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glazing frames															
Stainless steel, bonded									●	●	●	●	●	●	●
Profile-style plastic, clipped					●	●	●								
Glazing (For details on glass design, see style descriptions on page 30-33)															
A Insulated triple glazing, fully sand-blasted float															
B Insulated triple glazing, sand-blasted float with 7 clear stripes															
C Insulated triple glazing, sand-blasted float with 5 clear stripes															
D Insulated triple glazing, sand-blasted float with 4 clear stripes															
E Insulated triple glazing, sand-blasted float with clear stripes (frame)															
S Insulated triple glazing, Satinato															
Side element / transom light															
For doors opening inwards	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
For doors opening outwards	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Thermo65 Entrance Doors

Entrance door programme

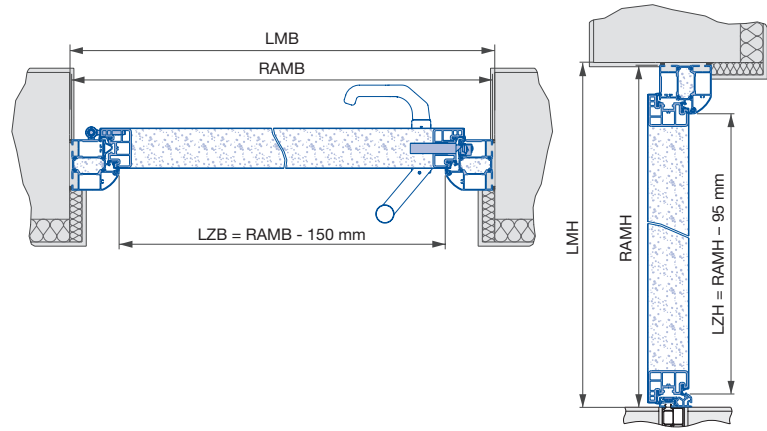
Technical presentation of door set



THP entrance doors with aluminium frame, profile A3

Standard sizes		
Overall frame dimension Ordering size	Clear frame dimensions	Structural opening
1000 x 2100	850 x 2005	1020 x 2110
1100 x 2100	950 x 2005	1120 x 2110

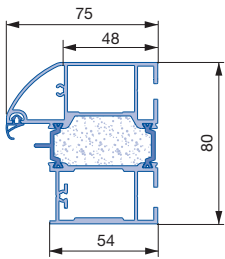
Special sizes		
THP Styles	Overall frame dimension	
	Width	Height
010/600/700/ 750/800/810	700 – 1250	1875 – 2250
820/850/900	800 – 1250	1875 – 2250
015/515	875 – 1250	1875 – 2250
100/410/430/450	875 – 1100	1875 – 2186



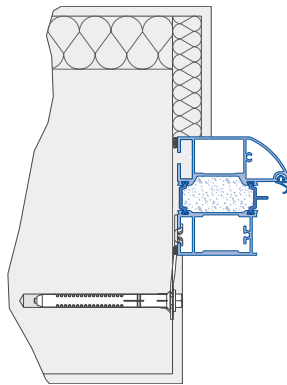
RAMB Overall frame width
RAMH Overall frame dimension height

LMB Structural opening width
LMH Structural opening height
LZB Clear frame dimension width
LZH Clear frame dimension height

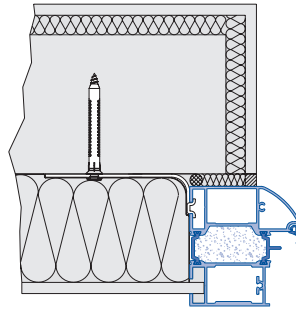
Wall connections for frames



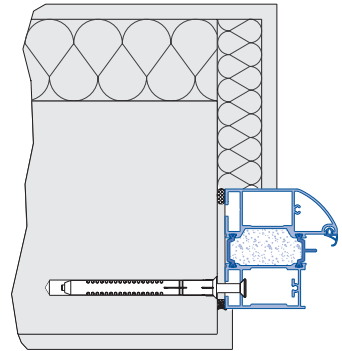
Profile A3



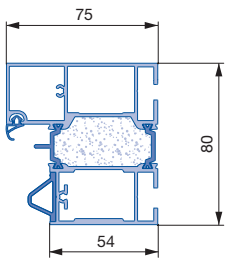
Aluminium frame
with screw-in anchor
(plug-and-screw fitting)



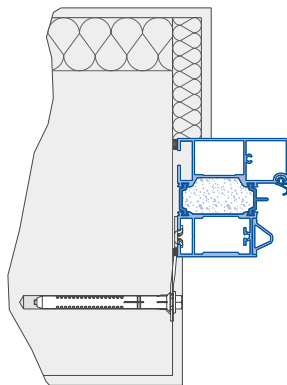
Aluminium frame
on the wall with screw-in anchor
(plug-and-screw fitting)



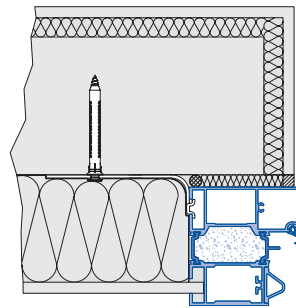
Aluminium frame
through-bolt fixing
(drill holes on site)



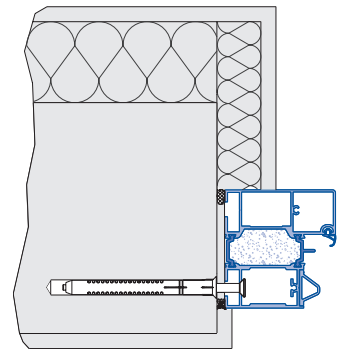
Profile A4



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



Aluminium frame
on the wall with screw-in anchor
(plug-and-screw fitting)



Aluminium frame
through-bolt fixing
(drill holes on site)

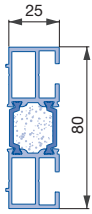
Thermo65 Entrance Doors

Entrance door programme

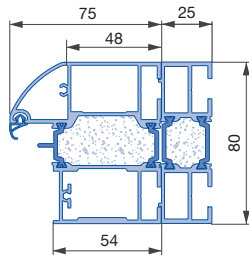
Technical presentation of door set



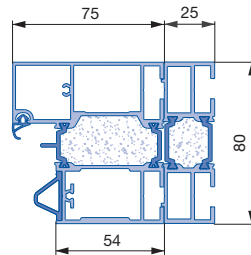
Wall connections for frames



Extension profile 25 mm
(optional)

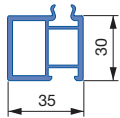


With aluminium frame profile A3

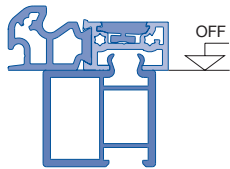


With aluminium frame profile A4

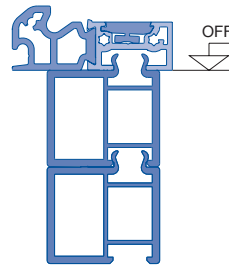
Bottom edge



Bottom spacer profile
(optional)

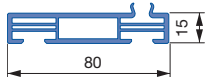


With 1 bottom spacer profile

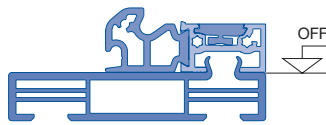


With 2 bottom spacer profiles

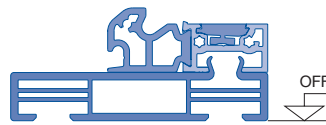
OFF Finished floor level



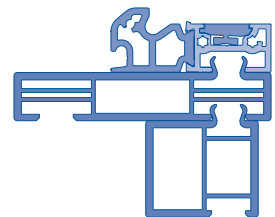
Base frame profile
(optional)



Base frame profile below FFL

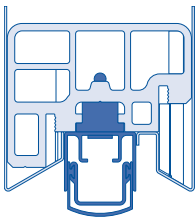


Base frame profile above FFL

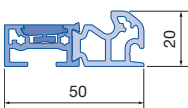


Base frame profile and bottom spacer profile
Can be combined

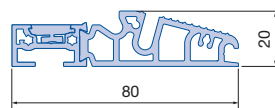
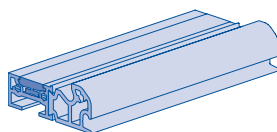
Retractable bottom seal (option)



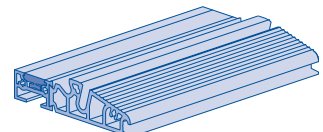
Threshold rails



Threshold S11
(Standard)



//NEW Threshold S12
(Optional for aluminium frame profile A4)



Thermo65 Entrance Doors

Entrance door programme

Technical presentation of door set with side element / transom light



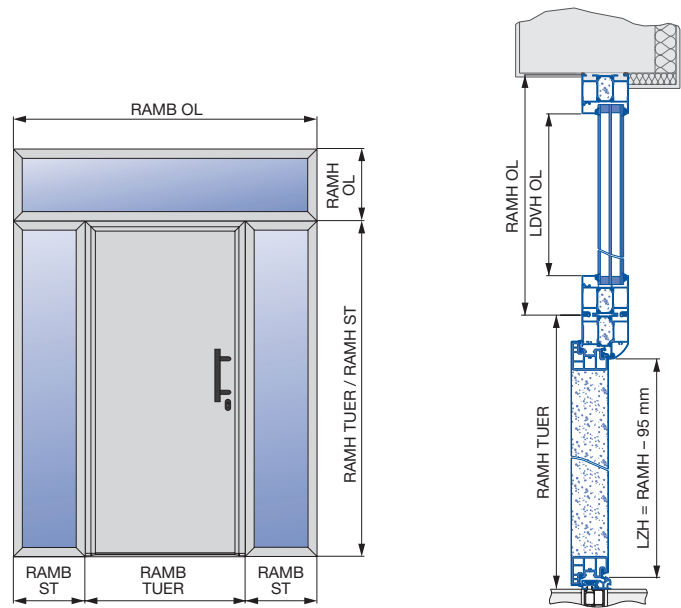
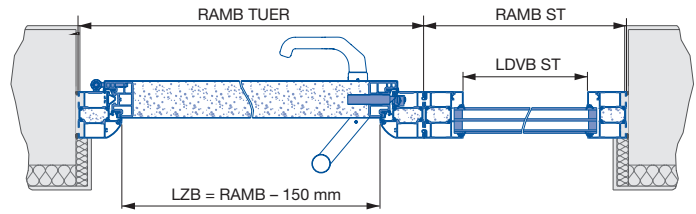
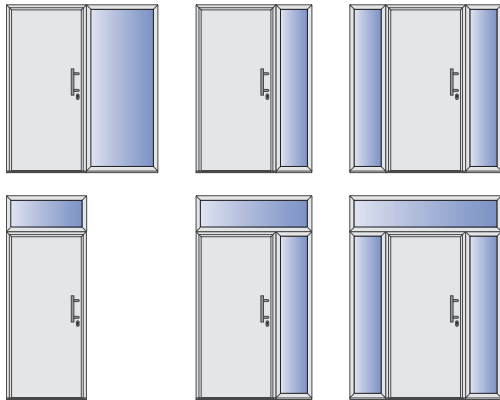
THP entrance doors with side element / transom light

Standard sizes – Side element		
THP	Overall frame dimension	
Styles	Width	Height
All styles	400	2100

Special sizes – Side element		
THP	Overall frame dimension	
Styles	Width	Height
All styles	See pages 42 and 43	

Size range – Transom light		
THP	Overall frame dimension	
Styles	Width	Height
All styles	see page 42	

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	Overall frame width	LMB	Structural opening width
RAMH	Overall frame dimension height	LMH	Structural opening height
TUER	Door	LZB	Clear frame dimension width
ST	Side element	LZH	Clear frame dimension height
OL	Transom light	LDVB	Glazing clear view width
		LDVH	Glazing clear view height

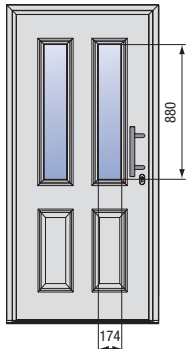
Thermo65 Entrance Doors

Entrance door programme

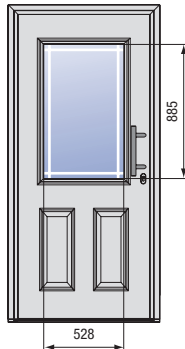
Technical presentation of clear view for doors with glazing



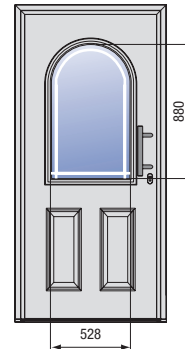
Clear view for styles with glazing



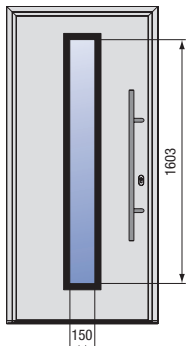
THP 410S



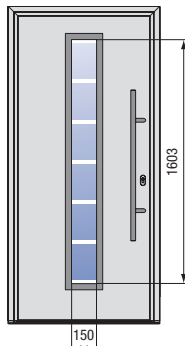
THP 430E



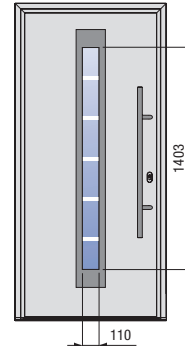
THP 450E



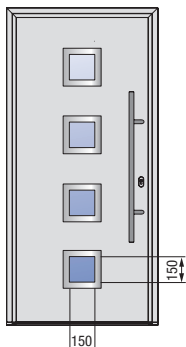
THP 600S



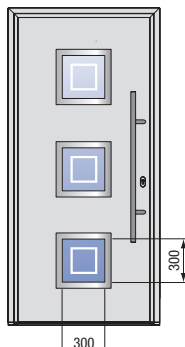
THP 700B



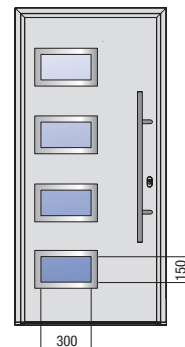
THP 750C



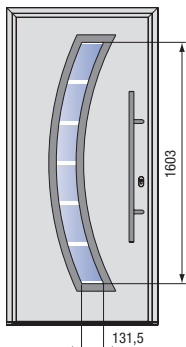
THP 800S



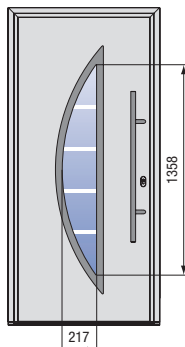
THP 810E



THP 820S // NEW



THP 850B



THP 900D

Thermo65 Entrance Doors

Entrance door programme

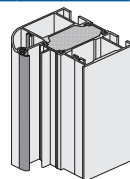


For a product description, see from page 24

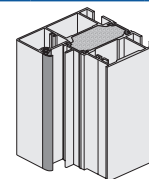
- Steel door leaf overlapping the frame, with thermal break, exterior and interior in same colour
- Aluminium frame
- Multiple-point lock

Color 16 preferred colours (see page 24)

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



Profile A3



Profile A4

View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style THP 010 <ul style="list-style-type: none"> • Smooth sheet • Handle HB 14-2 	1000 × 2100	1454	1669	1711	1454	1669	1711
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	1796	2011	2053	1796	2011	2053
▶ U _b -value for size 1230 × 2180 mm: 0.87 W/(m ² ·K)								
	Style THP 015 <ul style="list-style-type: none"> • Ribbed sheet with 7 ribs • Handle HB 14-2 	1000 × 2100	1532	1747	1789	1532	1747	1789
		1100 × 2100						
		From 875 × 1875 to 1250 × 2250	1874	2089	2131	1874	2089	2131
▶ U _b -value for size 1230 × 2180 mm: 0.87 W/(m ² ·K)								
	Style THP 515 <ul style="list-style-type: none"> • Ribbed sheet with 3 ribs • Handle HB 14-2 	1000 × 2100	1532	1747	1789	1532	1747	1789
		1100 × 2100						
		From 875 × 1875 to 1250 × 2250	1874	2089	2131	1874	2089	2131
▶ U _b -value for size 1230 × 2180 mm: 0.87 W/(m ² ·K)								

Thermo65 Entrance Doors

Entrance door programme

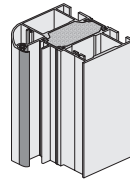


For a product description, see from page 24

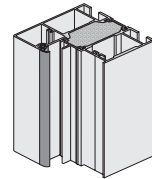
- Steel door leaf overlapping the frame, with thermal break, exterior and interior in same colour
- Aluminium frame
- Multiple-point lock

Color 16 preferred colours (see page 24)





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



Profile A3



Profile A4

View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style THP 100 <ul style="list-style-type: none"> • Panelled sheet • Handle HB 14-2 	1000 × 2100	1483	1698	-	1483	1698	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	1824	2039	-	1824	2039	-
▶ U _D -value for size 1230 × 2180 mm: 0.87 W/(m ² ·K)								
	Style THP 410S <ul style="list-style-type: none"> • Panelled sheet • 3 panes of insulated glass, exterior laminated safety glass – Satinato – interior laminated safety glass • Plastic glazing frame • Handle HB 14-2 	1000 × 2100	2444	-	-	2444	-	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	2786	-	-	2786	-	-
▶ U _D -value for size 1230 × 2180 mm: 1.0 W/(m ² ·K)								
	Style THP 430E <ul style="list-style-type: none"> • Panelled sheet • 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (frame) – interior laminated safety glass • Plastic glazing frame • Handle HB 14-2 	1000 × 2100	2444	-	-	2444	-	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	2786	-	-	2786	-	-
▶ U _D -value for size 1230 × 2180 mm: 1.0 W/(m ² ·K)								
	Style THP 450E <ul style="list-style-type: none"> • Panelled sheet • 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (frame) – interior laminated safety glass • Plastic glazing frame • Handle HB 14-2 	1000 × 2100	2444	-	-	2444	-	-
		1100 × 2100						
		From 875 × 1875 to 1100 × 2186	2786	-	-	2786	-	-
▶ U _D -value for size 1230 × 2180 mm: 1.0 W/(m ² ·K)								

Thermo65 Entrance Doors

Entrance door programme

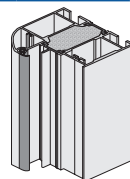


For a product description, see from page 24

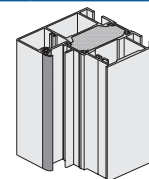
- Steel door leaf overlapping the frame, with thermal break, exterior and interior in same colour
- Aluminium frame
- Multiple-point lock

Color 16 preferred colours (see page 24)

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



Profile A3



Profile A4

View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style THP 600S <ul style="list-style-type: none"> • Smooth sheet • Insulated glass, exterior single-pane safety glass Satinato, edge with silkscreen – clear float / single-pane safety glass – interior single-pane safety glass Satinato, edge with silkscreen, surface-mounted exterior pane • Handle HB 38-2 	1000 × 2100	2567	2782	2824	2567	2782	2824
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	2909	3124	3166	2909	3124	3166
▶ U _b -value for size 1230 × 2180 mm: 1.00 W/(m ² ·K)								
	Style THP 700B <ul style="list-style-type: none"> • 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	2281	2496	2538	2281	2496	2538
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	2623	2838	2880	2623	2838	2880
▶ U _b -value for size 1230 × 2180 mm: 0.97 W/(m ² ·K)								
	Style THP 750C <ul style="list-style-type: none"> • Smooth sheet • 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 5 clear stripes – interior single-pane safety glass • Stainless steel glazing frame • Handle HB 38-2 	1000 × 2100	2281	2496	2538	2281	2496	2538
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	2623	2838	2880	2623	2838	2880
▶ U _b -value for size 1230 × 2180 mm: 0.95 W/(m ² ·K)								
	Style THP 800S <ul style="list-style-type: none"> • 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	2451	2666	2708	2451	2666	2708
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	2792	3007	3049	2792	3007	3049
▶ U _b -value for size 1230 × 2180 mm: 0.93 W/(m ² ·K)								

Thermo65 Entrance Doors

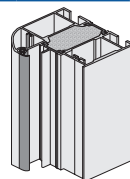
Entrance door programme



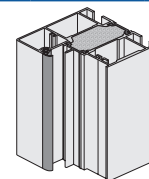
For a product description, see from page 24

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

Color 16 preferred colours (see page 24)
Decor Golden Oak, Dark Oak, Night Oak, Winchester Oak and Titan Metallic CH 703



Profile A3



Profile A4

View	Style description	Size (RAM)	RAL 9016	Color	Decor	RAL 9016	Color	Decor
	Style THP 810E <ul style="list-style-type: none"> • Smooth sheet • 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (square) – interior single-pane safety glass • Stainless steel glazing frame • Handle HB 38-2 	1000 × 2100	2451	2666	2708	2451	2666	2708
		1100 × 2100						
		From 700 × 1875 to 1250 × 2250	2792	3007	3049	2792	3007	3049
▶ U _b -value for size 1230 × 2180 mm: 0.98 W/(m ² ·K)								
	Style THP 820S // NEW <ul style="list-style-type: none"> • 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	2451	2666	2708	2451	2666	2708
		1100 × 2100						
		From 800 × 1875 to 1250 × 2250	2792	3007	3049	2792	3007	3049
▶ U _b -value for size 1230 × 2180 mm: 0.96 W/(m ² ·K)								
	Style THP 850B <ul style="list-style-type: none"> • Smooth sheet • 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes – interior laminated safety glass • Stainless steel glazing frame • Handle HB 38-2 	1000 × 2100	2648	2863	2905	2648	2863	2905
		1100 × 2100						
		From 800 × 1875 to 1250 × 2250	2990	3205	3247	2990	3205	3247
▶ U _b -value for size 1230 × 2180 mm: 0.97 W/(m ² ·K)								
	Style THP 900D <ul style="list-style-type: none"> • 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	2451	2666	2708	2451	2666	2708
		1100 × 2100						
		From 800 × 1875 to 1250 × 2250	2792	3007	3049	2792	3007	3049
▶ U _b -value for size 1230 × 2180 mm: 0.95 W/(m ² ·K)								

Thermo65 Entrance Doors

Entrance door programme

Accessories



Exterior door handles (included in door price) £

	<p>Handle HB 14-2</p> <ul style="list-style-type: none"> • Brushed stainless steel • As standard for styles THP 010, THP 015, THP 100, THP 410, THP 430, THP 450 and THP 515 	<p>Surcharge for conversion to handle HB 14-2</p>	122
--	---	---	------------

	<p>Handle HB 38-2</p> <ul style="list-style-type: none"> • Brushed stainless steel • As standard for styles THP 600, THP 700, THP 750, THP 800, THP 810, THP 820, THP 850 and THP 900 	<p>Surcharge for conversion to handle HB 38-2</p>	122
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	<p>Handle HB 38-3</p> <ul style="list-style-type: none"> • Brushed stainless steel 	<p>Surcharge for conversion to handle HB 38-3</p>	122
--	--	---	------------

ES 0 fittings Including profile cylinder with 5 keys Surcharges £

	<p>Knob / lever</p>	<p>Stainless steel</p>	<p>Each 122</p>
--	---------------------	------------------------	------------------------

	<p>Lever / lever</p>	<p>Stainless steel</p>	<p>Each 122</p>
--	----------------------	------------------------	------------------------

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, THP 430 and THP 450.

	<p>Knob / lever</p>	<p>Stainless steel</p>	<p>Each 332</p>
--	---------------------	------------------------	------------------------

	<p>Lever / lever</p>	<p>Stainless steel</p>	<p>Each 332</p>
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Thermo65 Entrance Doors

Entrance door programme

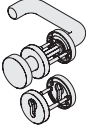
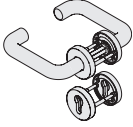
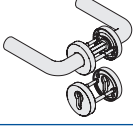
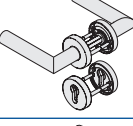
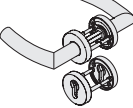
Accessories



Rose escutcheons	Including profile cylinder with 5 keys	Surcharges	£
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Note:

The rose escutcheons are only possible from a RAM width of 900 mm for styles THP 410, THP 430 and THP 450.

	Knob / lever handle, type D-110	Stainless steel	Each	122
	Lever handle / lever handle, type D-110	Stainless steel	Each	122
	Lever handle / lever handle, type D-210	Stainless steel	Each	122
	Lever handle / lever handle, type D-310	Stainless steel	Each	122
	Lever handle / lever handle, type D-510	Stainless steel	Each	122

Calculation example	£
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<p>Conversion THP 010 with HB 14-2 to HB 38-2</p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Style THP 010 in RAL 9016, profile A3 (standard size)</td> <td style="text-align: right;">1454</td> </tr> <tr> <td style="padding-left: 20px;">+ Conversion from handle HB 14-2 to handle HB 38-2</td> <td style="text-align: right;">122</td> </tr> <tr style="border-top: 1px solid black; border-bottom: 3px double black;"> <td style="padding-left: 20px;">= Total</td> <td style="text-align: right;">1576</td> </tr> </table>	Style THP 010 in RAL 9016, profile A3 (standard size)	1454	+ Conversion from handle HB 14-2 to handle HB 38-2	122	= Total	1576
Style THP 010 in RAL 9016, profile A3 (standard size)	1454							
+ Conversion from handle HB 14-2 to handle HB 38-2	122							
= Total	1576							
<p>Conversion THP 700 with HB 38-2 to fitting ES 1</p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Style THP 700 in RAL 9016, profile A3 (standard size)</td> <td style="text-align: right;">2281</td> </tr> <tr> <td style="padding-left: 20px;">+ Surcharge for ES 1 aluminium knob / lever fitting</td> <td style="text-align: right;">332</td> </tr> <tr style="border-top: 1px solid black; border-bottom: 3px double black;"> <td style="padding-left: 20px;">= Total</td> <td style="text-align: right;">2613</td> </tr> </table>	Style THP 700 in RAL 9016, profile A3 (standard size)	2281	+ Surcharge for ES 1 aluminium knob / lever fitting	332	= Total	2613
Style THP 700 in RAL 9016, profile A3 (standard size)	2281							
+ Surcharge for ES 1 aluminium knob / lever fitting	332							
= Total	2613							

Thermo65 Entrance Doors

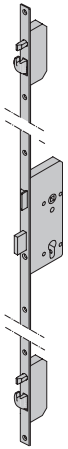
Entrance door programme

Accessories



Multiple-point locking

£



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

Per door

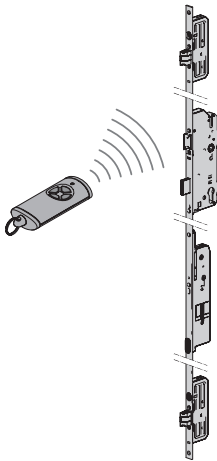
61

Note:

- Not possible in combination with electric strike.

Entrance door automation

£



Multiple-point locking with opening via a hand transmitter

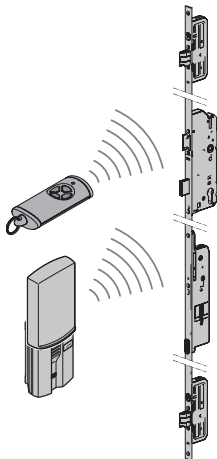
- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door

899

Note:

- Not possible in combination with electric strike.



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

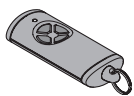
- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS and 1 finger-scan FFL 12 BS
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door

1083

Note:

- Not possible in combination with electric strike.



Additional 4-button hand transmitter HSE 4 BS

- In black
- Textured plastic surface with plastic caps

Each

63

Thermo65 Entrance Doors

Entrance door programme

Accessories

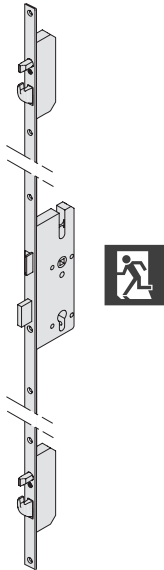


Emergency exit lock acc. to EN 179

£

Note:

The rose escutcheons are only possible from a RAM width of 900 mm for styles THP 400, THP 430 and THP 450.

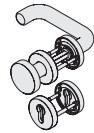


// NEW

Multiple-point locking with anti-panic function E

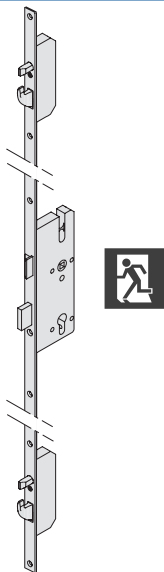
Each **154**

- Panic lock with stainless steel lock cover, distance 92 mm
- For the size range 1990 – 2250 mm



Lever / knob handle set, rosette prepared for profile cylinder

Black plastic	Each	128
Anodised aluminium (F1)	Each	198
Brushed stainless steel	Each	255

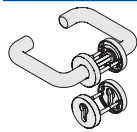


// NEW

Multiple-point locking with passage function D

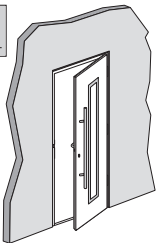
Each **213**

- Panic lock with stainless steel lock cover, distance 92 mm
- For the size range 1990 – 2250 mm



Anti-panic lever handle set with split spindle, rose escutcheon prepared for profile cylinder

Black plastic	Each	128
Anodised aluminium (F1)	Each	198
Brushed stainless steel	Each	255



Door set opening outwards

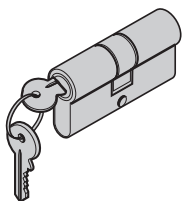
Per door **72**



Thermo65 Entrance Doors

Entrance door programme

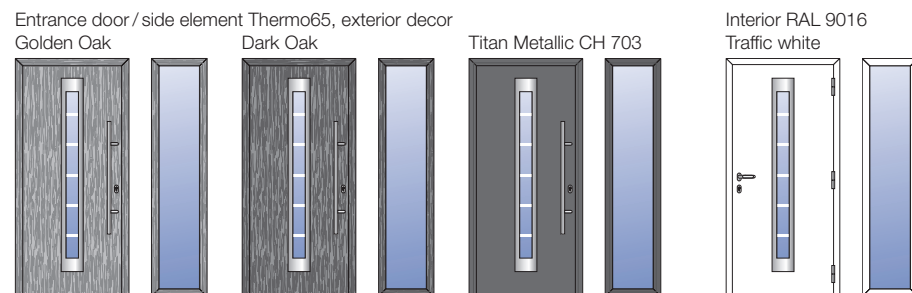
Accessories



Profile cylinder			£
Profile cylinder (40.5 + 40.5 mm) for HB 14-2, HB 38-2 and HB 38-3 push bars	With 8 keys	Each	49
	With 10 keys	Each	58
Profile cylinder (45.5 + 45.5 mm) for ES 0 fittings	With 5 keys	Each	36
	With 8 keys	Each	49
	With 10 keys	Each	58
Profile cylinder (45.5 + 40.5 mm) 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 escutcheon ES 1	With 5 keys	Each	75
	With 8 keys	Each	102
	With 10 keys	Each	119
Profile cylinder (45.5 + 45.5 mm) with drilling and pull-off protection and security card for ES 1 fittings	With 5 keys	Each	75
	With 8 keys	Each	102
	With 10 keys	Each	119
Profile cylinder, keys to pass, for push bar or ES 0 fittings	With 5 keys	Each	36
	With 8 keys	Each	49
	With 10 keys	Each	58
Note: No keys to pass for the profile cylinder from the fitting package!			
Profile cylinder, keys to pass, with drilling and pull-off protection and security card for ES 1 fittings	With 5 keys	Each	75
	With 8 keys	Each	102
	With 10 keys	Each	119
Note: No keys to pass for the profile cylinder from the fitting package!			

Door leaf and frame in different colours/surfaces			
Colours of door leaf and frame differ			
Example	Door leaf	Frame	Price for entrance door with surface
	RAL 9016	Color	Color
	RAL 9016	Decor	Decor
	Color	RAL 9016	Color
	Color	Decor	Decor
	Decor	RAL 9016	Decor
	Decor	Color	Decor

Bi-colour entrance doors, side elements or transom light		Surcharge	£
<ul style="list-style-type: none"> Door leaf and frame/side element /transom light <ul style="list-style-type: none"> Exterior in decors Golden Oak, Dark Oak or Titan Metallic CH 703 Interior in Traffic white RAL 9016 for frame profile A3 Opening inwards Not possible for styles THP 100, THP 410, THP 430 and THP 450! 	Surcharge for version with decor surface	Per door	114
		Per side element	54
		Per transom light	54



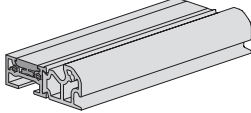
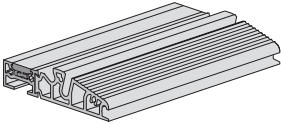
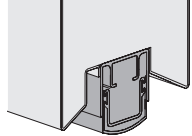
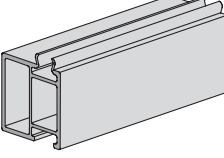
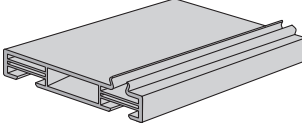
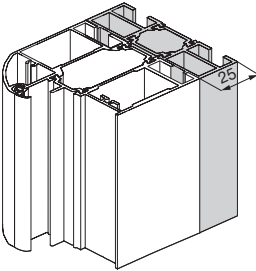
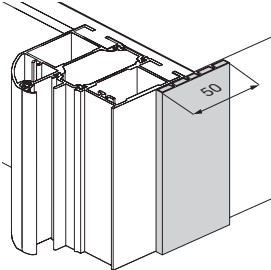
Example THP 750

Thermo65 Entrance Doors

Entrance door programme

Accessories



Threshold / bottom door edge		£	
	Threshold S11 (Standard)		No surcharge
	// NEW Threshold S12 (optional)	Each	33
Note: Only for aluminium frame profile A4.			
	Retractable bottom seal (Frame without threshold)	Each	270
Notes:			
<ul style="list-style-type: none"> • Not for styles 100, 410, 430 and 450! • Not possible in conjunction with RC 2! • The performance characteristics thermal insulation (U_b) and water-tightness under heavy rain are limited! 			
Profiles		£	
	Bottom spacer profile	Length up to 1250 mm	Height 30 mm Each 25
			Height 60 mm Each 49
			Height 90 mm Each 73
			Height 120 mm Each 97
			Height 150 mm Each 121
	Length up to 2250 mm	Height 30 mm Each 40	
		Height 60 mm Each 80	
		Height 90 mm Each 119	
		Height 120 mm Each 159	
		Height 150 mm Each 198	
	Length up to 3250 mm	Height 30 mm Each 58	
		Height 60 mm Each 115	
Height 90 mm Each 172			
Height 120 mm Each 229			
Height 150 mm Each 286			
	Base frame profile (black)	Length up to 1250 mm	Height 15 mm Each 25
		Length up to 2250 mm	Height 15 mm Each 40
		Length up to 3250 mm	Height 15 mm Each 58
	Extension profile 25 mm Dimensions (W x D): 25 x 80 mm	RAL 9016	Per m 57
		Color	Per m 65
		Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per m 69
	Cover profile Per package 2 x 2300 mm and 1 x 1300 mm Dimensions (W x D): 50 x 5 mm Profiles sufficient for a door without side elements.	RAL 9016	Per box 115
		Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per box 153

Thermo65 Entrance Doors

Entrance door programme

Accessories



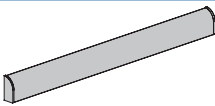


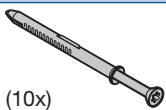
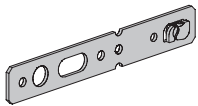
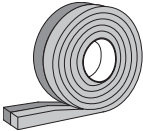
Profiles		£
	Supplementary profile (on 3 sides) Width 20 mm, mitred, incl. corner bracket and fitting screws	Per door 236
	RAL 9016	Per door 296
	Color	Per door 296
	Golden Oak, Dark Oak, Titan Metallic CH 703	Per door 306
Door closer		£
	Door leaf prepared for overhead door closer (reinforcement in door leaf)	Each 29
	Overhead door closer HDC 35 for fitting on the hinge side For aluminium frame profile A3 or A4	Each 168
	Overhead door closer HDC 35 for fitting on the opposite hinge side For aluminium frame profile A4	Each 168
	Mechanical hold-open device	Each 63
Accessories		£
	Electric strike with day catch (separate)	Each 79
	Note: Not possible in conjunction with an automatic lock.	
	Latch switching contact For main latch, main lock	Each 97
	Door set opening outwards	Per door 72
	Spyholes (only for THP 010, THP 015, THP 100, THP 410 and THP 515)	Each 49
	Rain canopy Anodised aluminium	Each 22

Thermo65 Entrance Doors

Entrance door programme

Accessories



Accessories		£						
	Door drip	RAL 9016 Traffic white Each 33						
		Stainless steel look Each 50						
	Stainless steel cleaner and care product (150 ml)	Each 31						
	Stainless steel bottom sheet on the exterior (separate) <ul style="list-style-type: none"> Bottom sheet height 110 mm Size range of heights for style <table border="1"> <thead> <tr> <th>Style</th> <th>Height (RAM)</th> </tr> </thead> <tbody> <tr> <td>010</td> <td>1875 – 2250 mm</td> </tr> <tr> <td>100/410/430/450/015/515/600/700/750/800/810/850/900</td> <td>2050 – 2250 mm</td> </tr> </tbody> </table>	Style	Height (RAM)	010	1875 – 2250 mm	100/410/430/450/015/515/600/700/750/800/810/850/900	2050 – 2250 mm	Per door 171
		Style	Height (RAM)					
010	1875 – 2250 mm							
100/410/430/450/015/515/600/700/750/800/810/850/900	2050 – 2250 mm							
Note: Not in combination with embellishments in stainless steel look, view 451, 454, 457, 459, 750 and 751.								
Fitting material		£						
 (10x)	Fitting set 10 x screws and 10 x plugs	Per set 22						
	Screw-in anchor set Length 280 mm (8 x anchors)	Per set 28						
	Pre-compressed sealing strip (74 mm wide) for groove widths from 6 – 15 mm 5.90 m roll (approved for RAL fitting)	Per roll 109						

Thermo65 Entrance Doors

Entrance door programme

Accessories



Entrance door in RC 2 version (for a product description, see page 25) £

- ▶ Hook bolt lock: attack side = opposite hinge side or hinge side
- ▶ Multiple-point locking (automatic lock): attack side = opposite hinge side or hinge side
- ▶ Multiple-point locking (automatic lock with electric motor): attack side = opposite hinge side

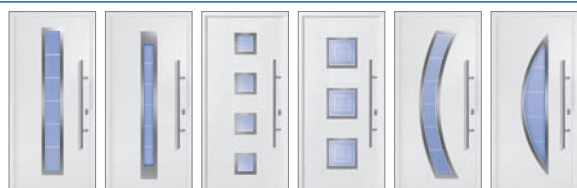


THP 010 THP 015 THP 515

Package HB 14-2 with security rose escutcheon Stainless steel Per door **262**

ES 1 fittings Knob / lever Stainless steel Per door **332**

Lever / lever Stainless steel Per door **332**



THP 700 THP 750 THP 800 THP 810 THP 850 THP 900

Package HB 38-2 / HB 38-3 with security rose escutcheon and safety glass (P4A) Stainless steel Per door **394**

Fittings ES 1 and safety glass (P4A) Knob / lever Stainless steel Per door **464**

Lever / lever Stainless steel Per door **464**

Approved size range for RC 2 version for each style

Width	832 – 1250	875 – 1250
Height	1875 – 2250	1875 – 2250

Side elements and transom lights in RC 2 £



Side parts

Only possible in the size range with a width of 400 – 550 mm (overall frame dimension).

Clear glass and safety glass (P4A) Per side element **163**

Satinato and safety glass (P4A) Per side element **163**

Sand-blasted float and safety glass (P4A) Per side element **163**

Sand-blasted float with clear stripes and safety glass (P4A) Per side element **163**



Transom lights

Only possible in the size range with a height of 400 – 500 mm (overall frame dimension).

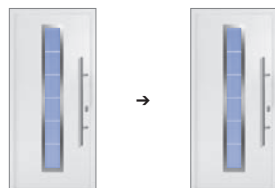
Clear glass and safety glass (P4A) Per transom light **163**

Satinato and safety glass (P4A) Per transom light **163**

Sand-blasted float and safety glass (P4A) Per transom light **163**

Example for calculating an entrance door in an RC 2 version £

Conversion THP 700 with HB 38-2 to package HB 38-2 with security rose escutcheon



Style THP 700 in RAL 9016, profile A3 (standard size)	2281
+ Conversion for package HB 38-2 with security rose escutcheon	394
= Total	2675

NEW
Door Style 820



Thermo65 Steel / Aluminium Entrance Doors

More entrance door for your money

- Attractive appearance thanks to the 65 mm door leaf without visible leaf profile
- Extremely safe due to the 5-point security lock as standard and optional RC 2 security equipment
- Exceptionally high thermal insulation with a U_b -value of up to $0.87 \text{ W}/(\text{m}^2 \cdot \text{K})$

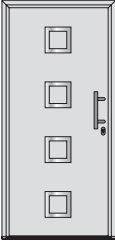


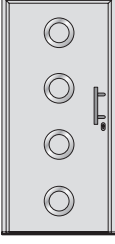


HÖRMANN

Thermo65 Entrance Doors

Entrance door programme

Accessories





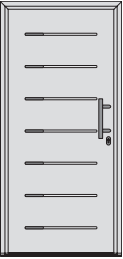
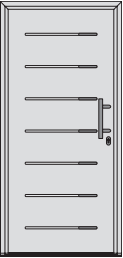
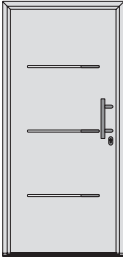
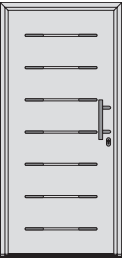
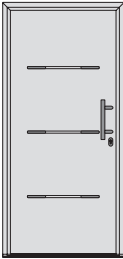
Embellishments in stainless steel look for style THP 010 (on the exterior)				Surcharge	£
	View 451	Stainless steel frames Overall dimension 240 x 240 mm Inside dimension 160 x 160 mm	Style THP 010	Per door	232
	View 454	Stainless steel frames Overall dimension 145 x 145 mm	Style THP 010	Per door	232
	View 457	Curved stainless steel frames	Style THP 010	Per door	232
	View 459	Stainless steel rings Overall dimension Ø 240 mm Inside dimension Ø 160 mm	Style THP 010	Per door	232
	View 750	Stainless steel frame over entire leaf height	Style THP 010	Per door	232
	View 751	3 parallel stainless steel strips over the entire leaf height	Style THP 010	Per door	232

Thermo65 Entrance Doors

Entrance door programme

Accessories



Embellishments in stainless steel look (on the exterior)			£
 <p>THP 015</p>	 <p>THP 515</p>	<p>Embellishment in stainless steel look view 400 Inlay length 577 mm per rib</p>	<p>Style THP 015 Per door 181</p>
			<p>Style THP 515 Per door 120</p>
 <p>THP 015</p>	 <p>THP 515</p>	<p>Embellishment in stainless steel look view 401 Inlay length 118 mm per rib</p>	<p>Style THP 015 Per door 181</p>
			<p>Style THP 515 Per door 120</p>
 <p>THP 015</p>	 <p>THP 515</p>	<p>Embellishment in stainless steel look view 402 Inlay length 118 mm per rib</p>	<p>Style THP 015 Per door 181</p>
			<p>Style THP 515 Per door 120</p>
 <p>THP 015</p>	 <p>THP 515</p>	<p>Embellishment in stainless steel look view 403 Inlay length 2 x 118 mm per rib</p>	<p>Style THP 015 Per door 181</p>
			<p>Style THP 515 Per door 120</p>

Thermo65 Entrance Doors

Entrance door programme

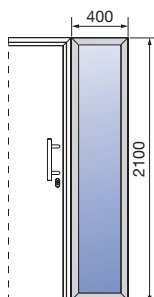
Side elements and transom lights



Side element

Fixed side element assembly

Standard size

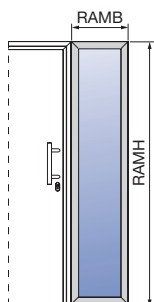


Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
400 x 2100	Clear glass	919	1037	1074
	Satinato	919	1037	1074
	Sand-blasted float	919	1037	1074
	Sand-blasted float with clear stripes	1416	1533	1571

Side element

Fixed side element assembly

Special sizes

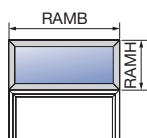


Ordering sizes RAM up to (mm) Width x height	Glass	RAL 9016	Color	Decor
From 300 x 1875 to 500 x 2250 to 1000 x 2250 *	Clear glass, Satinato or sand-blasted float according to overview on page 47	1096	1213	1251
		1271	1388	1426
From 300 x 1875 to 500 x 2250 to 1000 x 2250 *	Sand-blasted float with clear stripes according to overview on page 47	1723	1841	1878
		1897	2014	2052

* Only possible without transom light
Door set with side element does not have a statics function. Statics must be ensured by the building structure.

Transom light

Fixed transom light assembly



Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
From 700 x 300 to 1250 x 500 to 1750 x 500 to 2250 x 500	Clear glass, Satinato or sand-blasted float according to overview on page 47	738	855	893
		889	1007	1044
		1095	1212	1250

RAMB = Overall frame width

RAMH = Overall frame dimension height

Thermo65 Entrance Doors

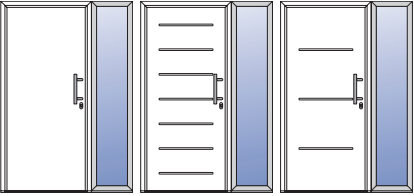
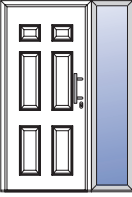
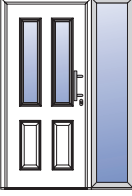

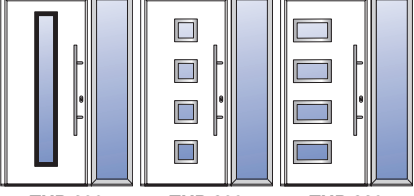
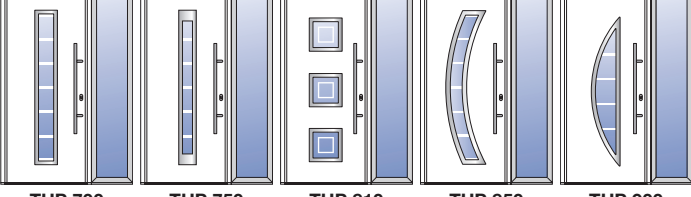
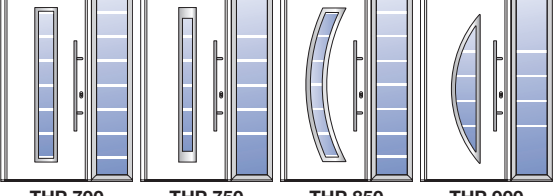
Entrance door programme

Overview of glass for side elements

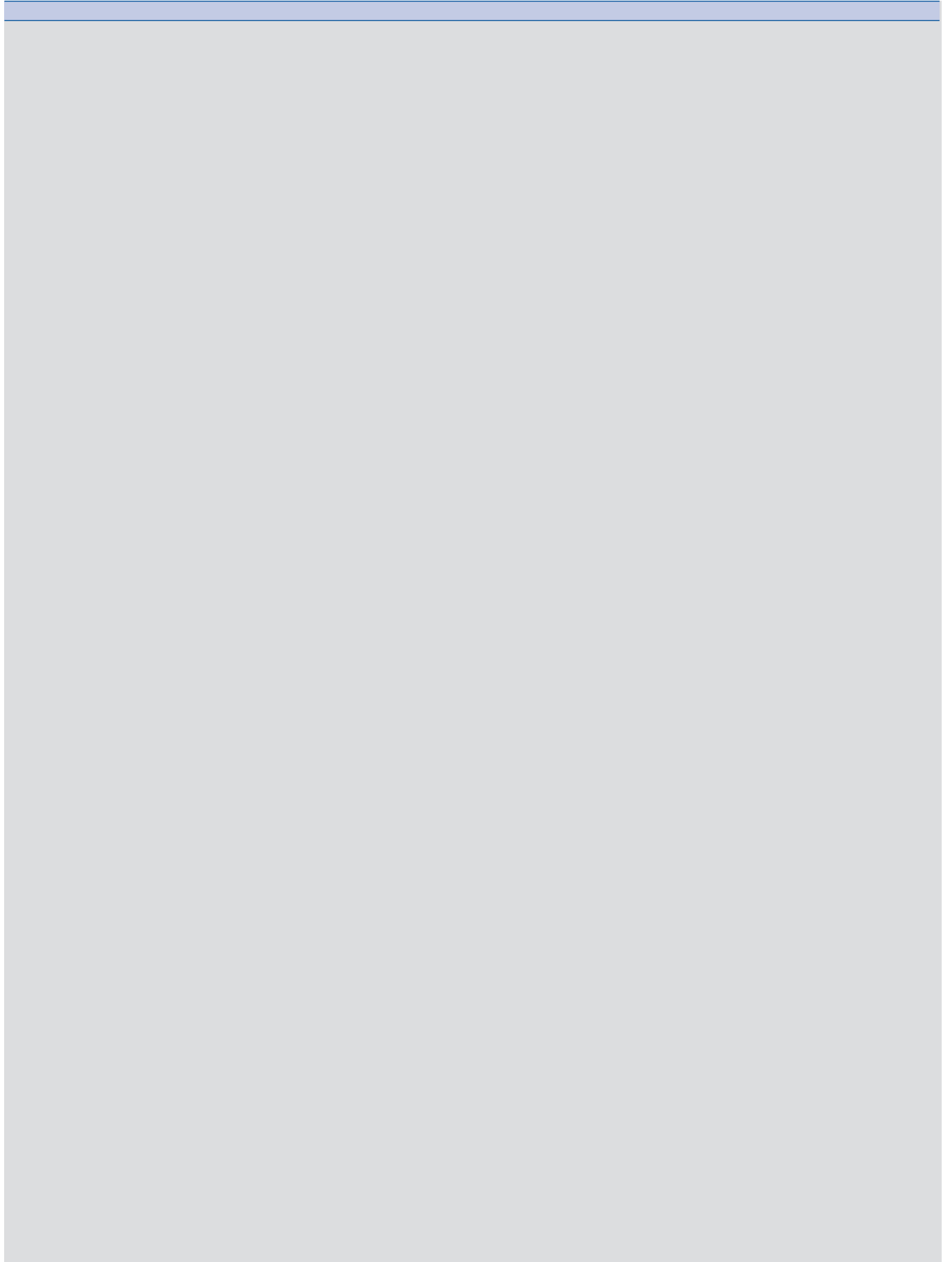


Infill / size range

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

Style	Glass (Intermediate pane)	Size range	
		Side element	Transom light
 <p>THP 010 THP 015 THP 515</p>	<ol style="list-style-type: none"> Sand-blasted float without clear stripes Satinato Float, clear 	<p>Width 300–1000 mm</p> <p>Height 1875–2250 mm</p>	<p>Width 700–2250 mm</p> <p>Height 300–500 mm</p>
 <p>THP 100</p>	<ol style="list-style-type: none"> Sand-blasted float without clear stripes Satinato Float, clear 	<p>Width 300–1000 mm</p> <p>Height 1875–2186 mm</p>	<p>Width 875–2000 mm</p> <p>Height 300–500 mm</p>
 <p>THP 410</p>	<ol style="list-style-type: none"> Satinato Float, clear 	<p>Width 300–1000 mm</p> <p>Height 1875–2186 mm</p>	<p>Width 875–2250 mm</p> <p>Height 300–500 mm</p>
 <p>THP 430 THP 450</p>	<ol style="list-style-type: none"> Sand-blasted float without clear stripes Float, clear 	<p>Width 300–1000 mm</p> <p>Height 1875–2186 mm</p>	<p>Width 875–2000 mm</p> <p>Height 300–500 mm</p>
 <p>THP 600 THP 800 THP 820</p>	<ol style="list-style-type: none"> Satinato Float, clear 	<p>Width 300–1000 mm</p> <p>Height 1875–2250 mm</p>	<p>Width 700–2250 mm</p> <p>Height 300–500 mm</p>
 <p>THP 700 THP 750 THP 810 THP 850 THP 900</p>	<ol style="list-style-type: none"> Sand-blasted float without clear stripes Float, clear 	<p>Width 300–1000 mm</p>	<p>Width 700–2250 mm</p>
 <p>THP 700 THP 750 THP 850 THP 900</p>	<ol style="list-style-type: none"> Sand-blasted float with clear stripes (only in side element) 	<p>Height 1875–2250 mm</p>	<p>Height 300–500 mm</p>

Notes and Sketches



Steel Security Doors RC 2

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

Standard / special sizes

RC 2

46



With thermal break!

Thermo46 entrance doors
Thermo65 entrance doors

Product description

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

Attack 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.

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: 16 preferred colours, painted on both sides, based on the RAL colour chart, silk matt, gloss level 35 – 40 %

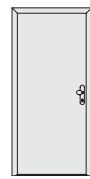
Fittings

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

Hinges

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

Standard sizes



Ordering sizes (Overall frame dimension)	State handling
	With aluminium block frame (profile A2)
875 x 2000	1349
875 x 2125	1349
1000 x 2000	1382
1000 x 2100	1382
1000 x 2125	1382
1100 x 2100	1382

Special sizes



Ordering sizes (Overall frame dimension)	State handling
	With aluminium block frame (profile A2)
From 832 x 1875 to 1250 x 2250	1723

Preferred colour (Color)*

Door leaf and frame in preferred colour (Color) **215**

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

Decor*

Door leaf and frame in decor **257**

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

Accessories

Spyhole, fitted	Each	49
Slide rail door closer HDC 35	Each	168
Prepared for door closer (reinforcement in door leaf)	Each	29
Lever handle / lever handle, ES 1 stainless steel		No surcharge
Electric strike with day catch (separate)		79
Bottom spacer profile	Height 30 mm	Each 25
	Height 60 mm	Each 49
	Height 90 mm	Each 73
	Height 120 mm	Each 97
	Height 150 mm	Each 121
Pre-compressed sealing strip (56 mm wide) for groove widths from 6 – 15 mm, 5.90 m roll	Per roll	84
Door drip	RAL 9016	Each 33
	Stainless steel look	Each 50
Stainless steel bottom sheet (separate), height 110 mm	Each	171
Fitting set (10 x screws and 10 x plugs)	Per set	22
Retractable bottom seal (frame without threshold)	Each	270

⚠ The performance characteristics thermal insulation (U_D) and water-tightness under heavy rain are limited!

* 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

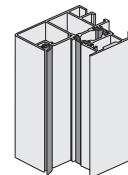
Standard / special sizes

Product description

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

Color *

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		
RAL 5014	Pigeon blue	RAL 8028	Terra brown		



A2 profile

Decor *

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

View	Style description	Size (RAM)	RAL 9016	Color	Decor
	<ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	797	1011	1053
		875 × 2125			
		1000 × 2000	830	1044	1086
		1000 × 2100			
1000 × 2125					
1100 × 2100					
		From 700 × 1750 to 1250 × 2250	1172	1386	1428
► U _D value for size 1230 × 2180 mm: 1.1 W/(m ² ·K)					
	<ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • Double-pane insulated glazing, 28 mm thick, exterior single-pane safety glass, interior sand-blasted laminated safety glass • Plastic glazing frame in door frame colour ¹⁾ • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	1187	1656	1698
		875 × 2125			
		1000 × 2000	1218	1687	1729
		1000 × 2100			
1000 × 2125					
1100 × 2100					
		From 700 × 1875 to 1250 × 2250	1560	2029	2070
► U _D value for size 1230 × 2180 mm: 1.4 W/(m ² ·K)					
	<ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • Double-pane insulated glazing, 28 mm thick, exterior single-pane safety glass, interior sand-blasted laminated safety glass • Plastic glazing frame in door frame colour ¹⁾ • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	1187	1656	1698
		875 × 2125			
		1000 × 2000	1218	1687	1729
		1000 × 2100			
1000 × 2125					
1100 × 2100					
		From 875 × 1875 to 1250 × 2250	1560	2029	2070
► U _D value for size 1230 × 2180 mm: 1.6 W/(m ² ·K)					
	<ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • Double-pane insulated glazing, 28 mm thick, exterior laminated safety glass, interior clear single-pane safety glass • Plastic glazing frame in door frame colour ¹⁾ • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	1187	1656	1698
		875 × 2125			
		1000 × 2000	1218	1687	1729
		1000 × 2100			
1000 × 2125					
1100 × 2100					
		From 875 × 1875 to 1250 × 2250	1560	2029	2070
► U _D value for size 1230 × 2180 mm: 1.6 W/(m ² ·K)					

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

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

With thermal breaks



Accessories

Note:

* 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.

Optional extras

See from page 53

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

Please see your Hörmann specialist dealer

MZ Thermo65 Thick Rebate – Steel

Sheet thickness 0.6 – 0.8 mm

Standard / special sizes

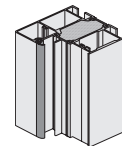
High thermal insulation of
up to 0.87 W/(m²·K)

Product description

- Steel door leaf overlapping the frame, with thermal break, exterior and interior in same colour
 - Aluminium frame for fitting to brickwork and concrete
 - 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)

Color *



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		
RAL 5014	Pigeon blue	RAL 8028	Terra brown		



A4 profile

Decor *

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

View	Style description	Size (RAM)	RAL 9016	Color	Decor
	Style THP 011 <ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	1204	1418	1460
		875 × 2125			
		1000 × 2000	1234	1449	1490
		1000 × 2100			
1000 × 2125					
1100 × 2100					
From 700 × 1750 to 1250 × 2250	1576	1790	1832		
► U _D value for size 1230 × 2180 mm: 0.87 W/(m ² ·K)					
	Style THP 051A <ul style="list-style-type: none"> • 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel lock) • 3 panes of insulated glass, exterior laminated safety glass, sand-blasted float, interior laminated safety glass • Plastic glazing frame • Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon 	875 × 2000	1607	-	-
		875 × 2125			
		1000 × 2000	1638	-	-
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
From 875 × 1875 to 1250 × 2250	1979	-	-		
► U _D value for size 1230 × 2180 mm: 1.0 W/(m ² ·K)					

Note:

* 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	MZ Thermo65	
Locking			
Multiple-point locking (hook bolt lock with rose escutcheon)* Lever handle / lever handle, stainless steel (from door height 1875 mm)	426	426	
Door closers			
Prepared for overhead door closer (reinforcement in door leaf)	29	29	
Slide rail overhead door closer HDC 35	168	168	
Mechanical hold-open device	Each 63	63	
Fittings			
		£	
Lever handle set type D-110, rose escutcheon, prepared for profile cylinder	Black plastic (standard)	84	84
	Anodised aluminium (F1) *	184	184
	Brushed stainless steel *	241	241
Lever / knob handle set type D-110, rose escutcheon, prepared for profile cylinder	Black plastic *	128	128
	Anodised aluminium (F1) *	198	198
	Brushed stainless steel *	255	255

Optional Extras

MZ Thermo46, MZ Thermo65

Accessories

With thermal breaks

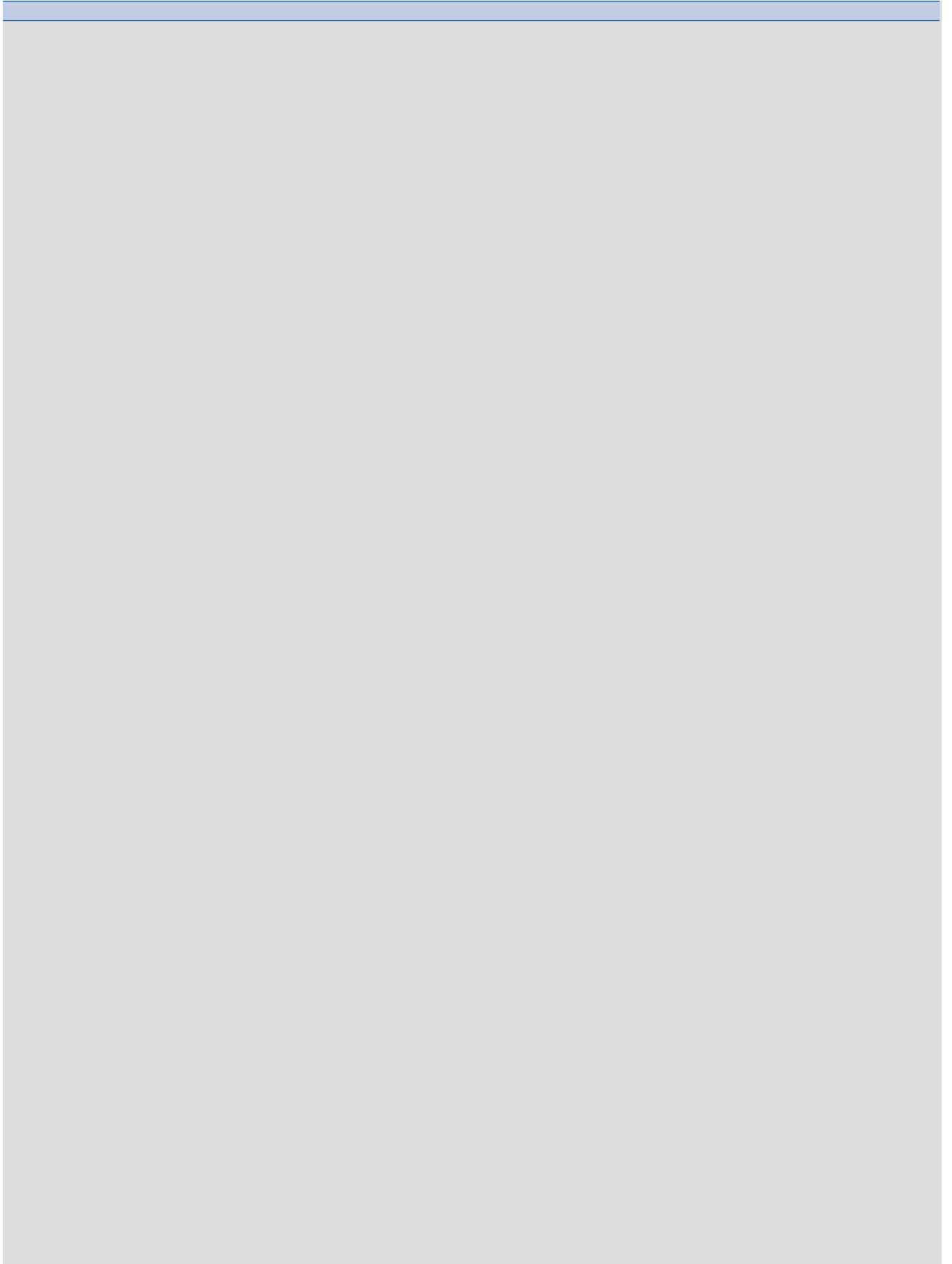


Thermo46 entrance doors
Thermo65 entrance doors

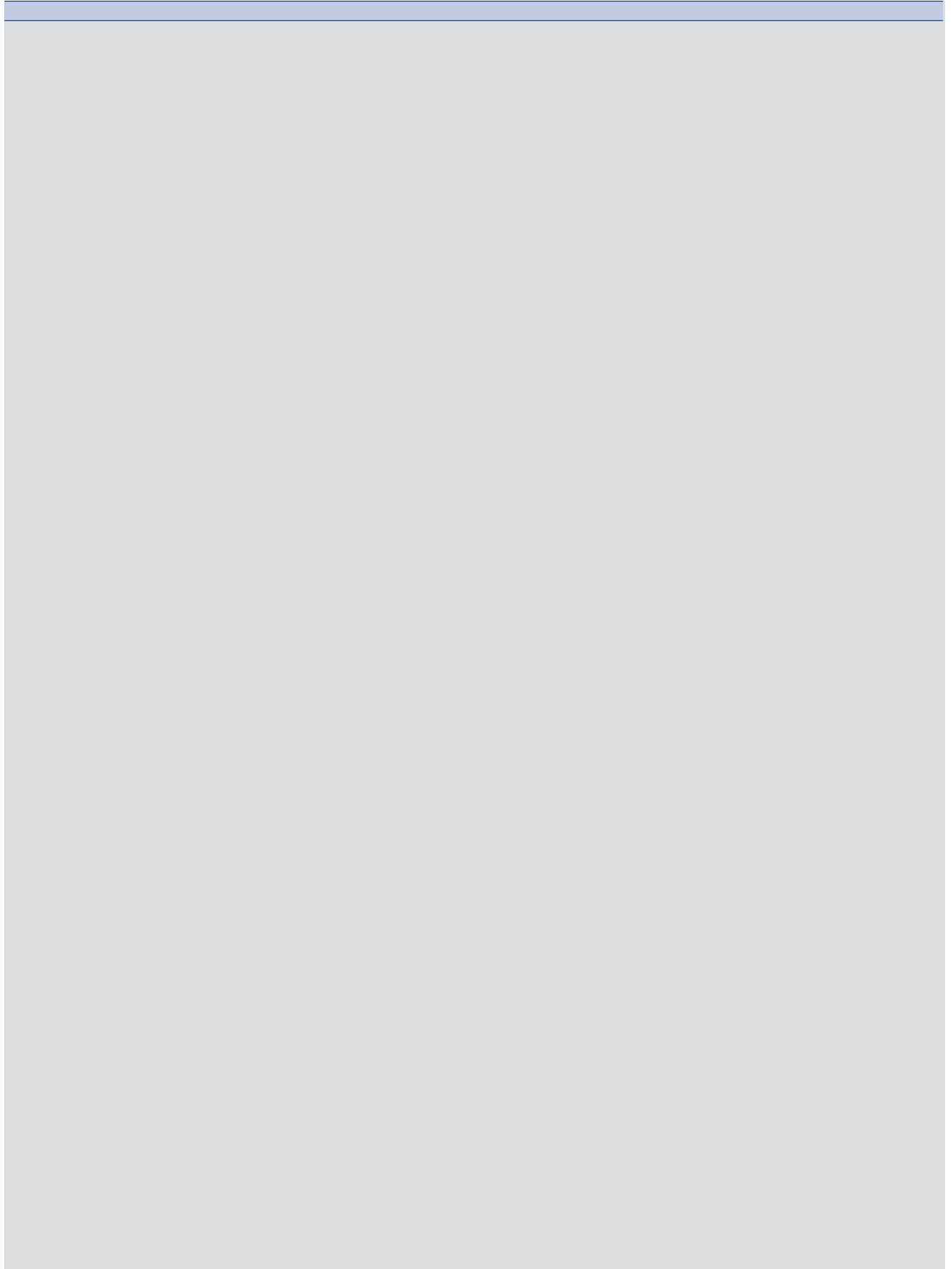
		MZ Thermo46	MZ Thermo65	
Emergency exit lock acc. to DIN EN 179 (opening outwards)			£	
Escape door with single-point locking (Anti-panic lock with stainless steel lock cover, distance 92 mm, left-hand hinged or right-hand hinged)	With anti-panic function E	153	153	
	With split spindle, passage function D	185	185	
	With split spindle, change-over function B	185	185	
Multiple-point locking (anti-panic lock with stainless steel cover, distance 92 mm, left-hand hinged or right-hand hinged) ⚠ Possible from door height 1990 mm	With anti-panic function E	458	458	
	With split spindle, passage function D	516	516	
Lever / knob handle set type D-110, rose escutcheon, prepared for profile cylinder	Black plastic *	128	128	
	Anodised aluminium (F1) *	198	198	
	Brushed stainless steel *	255	255	
Anti-panic lever handle set type D-110 with split spindle, rose escutcheon, prepared for profile cylinder	Black plastic *	128	128	
	Anodised aluminium (F1) *	198	198	
	Brushed stainless steel *	255	255	
Profiles			Per m £	
Extension profile 25 mm	RAL 9016	51	57	
	Color	60	65	
	Decor	63	69	
Extension profile 50 mm	RAL 9016	57	-	
	Color	65	-	
	Decor	69	-	
Cover profile (package is sufficient for one door set)	RAL 9016 Per box	115	115	
	Decor Per box	153	153	
Supplementary profile (3-sided), width 20 mm, mitred, incl. corner bracket and fitting screws	RAL 9016 Per door	236	236	
	Color Per door	296	296	
	Golden Oak, Dark Oak, Titan Metallic CH 703 Per door	306	306	
Accessories				
Retractable bottom seal (frame without threshold)		270	270	
Latch switching contact		-	97	
Spyhole (THP 011)		49	49	
Electric strike with day catch (separate)		79	79	
Stainless steel bottom sheet (separate), height 110 mm	Style 011 Height RAM 1750 – 2250 mm	Each	171	
	Style 051 Height RAM 1875 – 2250 mm			
Screw-in anchor set, length 280 mm (8 × anchors)		Per set	28	
Fitting set (10 × screws and 10 × plugs)		Per set	22	
Door drip (For doors opening inwards)	RAL 9016	Each	33	
	Stainless steel look	Each	50	
Rain canopy		Anodised aluminium	22	
Pre-compressed sealing strip (width 56 mm) for groove widths between 6 – 15 mm, 5.9 m roll		Per roll	84	
Pre-compressed sealing strip (width 74 mm) for groove widths between 6 – 15 mm, 5.9 m roll		Per roll	-	
Offset lever height from 775 mm to 1275 mm from FFL (only possible with single-point locking)			86	
Bottom spacer profile	Height 30 mm	Each	25	
	Height 60 mm	Each	49	
	Height 90 mm	Each	73	
	Height 120 mm	Each	97	
	Height 150 mm	Each	121	
Base frame profile		Height 15 mm	Each	-
Threshold S12 (optional)			Each	25
			Each	33

* Replaces standard fittings

Notes and Sketches



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