



# Series 2000 Entrance Door Price List

01.04.2019

**HÖRMANN**

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# Thermo46 / Thermo65 Entrance Doors



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

# Thermo46 Entrance Doors

## Entrance door programme

### Product description



Product description		Thermo46 – steel TPS												
		010	015	515	020 S	025 S	030 S	040 S	100	200 I	400 I	700 B	750 C	900 D
<b>Door leaf structure</b>														
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		•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Size ranges (see also page 8)</b>														
Standard sizes (RAM)		1000 × 2100 mm and 1100 × 2100 mm												
Special sizes (RAM)		"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									•				
<b>Surface finish</b>														
<b>Note:</b>		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.												
Standard		•	•	•	•	•	•	•	•	•	•	•	•	•
		<ul style="list-style-type: none"> <li>Painted in Traffic white on both sides, based on RAL 9016</li> <li>Silk matt, gloss level 35–40 %</li> </ul>												
Color		•	•	•	•	•	•	•	•	•	•	•	•	•
		<ul style="list-style-type: none"> <li>17 preferred colours</li> <li>Painted on both sides, based on the RAL colour chart</li> <li>Silk matt, gloss level 35–40 %</li> </ul>												
		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			CH 703 Anthracite metallic						
Decor	Golden Oak	•	•	•	•	•	•	•				•	•	•
Film coating, on both sides	Dark Oak	•	•	•	•	•	•	•				•	•	•
	Night Oak	•	•	•	•	•	•	•				•	•	•
	Winchester Oak	•	•	•	•	•	•	•				•	•	•
	Titan Metallic CH 703	•	•	•	•	•	•	•				•	•	•
<b>Seals</b>														
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		•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Lock</b>														
Multiple-point locking with main lock (with soft lock latch) and 2 bolts, pivoting/hook bolt combination		•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Electric strikes</b>														
Electric strike with day catch (separate)		○	○	○	○	○	○	○	○	○	○	○	○	○
<b>Security bolts</b>														
3x anti-leverage guard		•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Thermal insulation value (in W/(m<sup>2</sup>·K))</b>														
► Dependent on the size and frame type		For a product description, see page 8 to 10												
<b>Properties (stated values in combination with standard threshold)</b>														
EN 12207 – air permeability		Class 2												

# Thermo46 Entrance Doors

## Entrance door programme

### Product description



Product description	Thermo46 – steel TPS													
	010	015	515	020 S	025 S	030 S	040 S	100	200 I	400 I	700 B	750 C	900 D	
<b>EN 12208 – leak tightness</b>	Class 2A													
<b>EN 12219 – differential climate behaviour</b>	3c / 2d / 2e													
<b>Version in RC 2</b>														
<b>Attack side = closing side</b> (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)											○	○	○	
<b>Size ranges</b>														
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													
<b>Fittings</b>														
<b>Hinges</b>														
3 two-part guide rollers (180 mm), 3-way adjustable with cover caps (stainless steel look)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Door handle (exterior)</b>														
Exterior handle HB 14-2, brushed stainless steel	●	●	●	●	●	●	●	●	●	●	○	○	○	
Exterior handle HB 38-2, brushed stainless steel	○	○	○	○	○	○	○	○	○	○	●	●	●	
<b>Door handle (interior)</b>														
Stainless steel lever handle	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Rose escutcheon (exterior and interior)</b>														
Oval stainless-steel profile cylinder rose escutcheons	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Profile cylinder</b>														
Cylinder length 35.5 × 27.5 mm with 5 keys	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Glazing frame</b>														
Round-style plastic, clipped				●	●	●	●							
Profile-style plastic, clipped									●	●				
With surface-mounted plastic rails														
Stainless steel, bonded											●	●	●	
<b>Glazing</b> (For details on glass design, see style descriptions on pages 8 – 10)														
<b>S</b> Insulated double glazing, Satinato				●	●	●	●							
<b>I</b> Insulated double glazing, cathedral glass small hammered finish									●	●				
<b>B</b> Insulated triple glazing, sand-blasted float with 7 clear stripes											●			
<b>C</b> Insulated triple glazing, sand-blasted float with 5 clear stripes												●		
<b>D</b> Insulated triple glazing, sand-blasted float with 4 clear stripes														●
<b>Frames</b>														
• Aluminium block frame with aluminium / plastic threshold, with thermal break, colour matching the door leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Side element / transom light</b>														
• For doors opening inwards	○	○	○	○	○	○	○	○	○	○	○	○	○	○

# Thermo46 Entrance Doors

## Entrance door programme

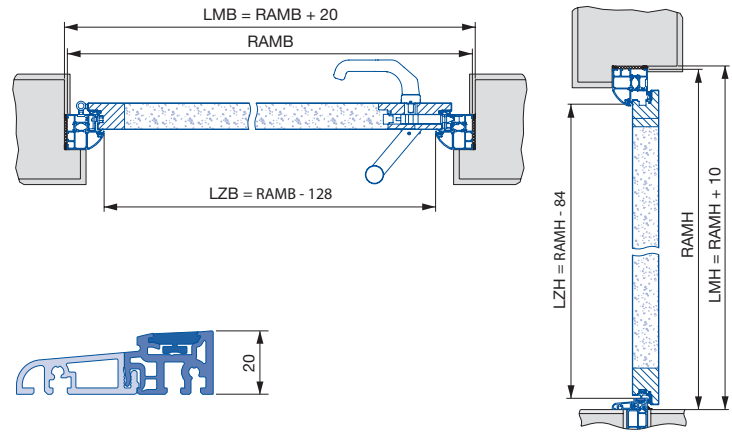
### Technical presentation of door set



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

Standard sizes		
Overall frame dimension Ordering size	Structural opening	Clear frame dimensions
<b>1000 x 2100</b>	1020 x 2110	872 x 2016
<b>1100 x 2100</b>	1120 x 2110	972 x 2016

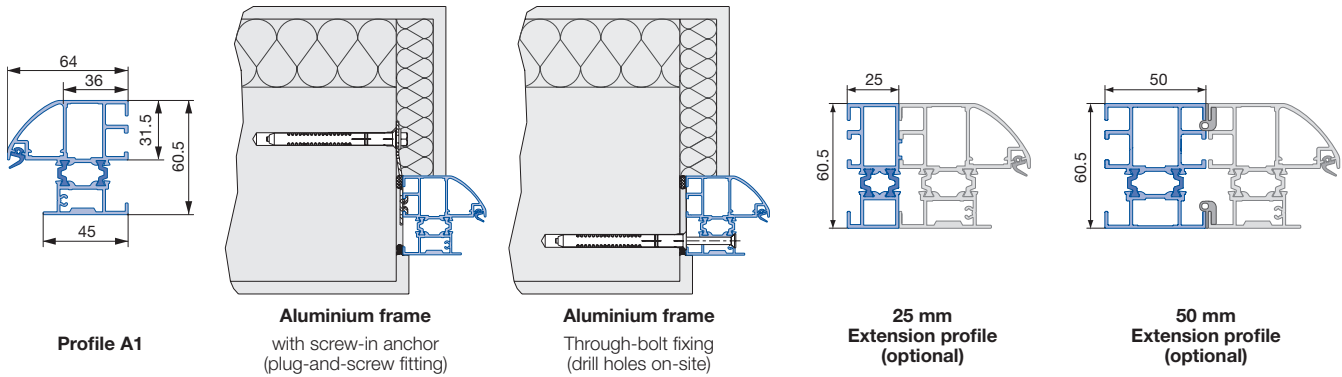
Special sizes		
TPS Styles	Overall frame dimension	
	Width	Height
010 / 020 / 030 / 040 / 700 / 750	700 – 1250	1875 – 2250
900	800 – 1250	1875 – 2250
015 / 025 / 515	875 – 1250	1875 – 2250
100 / 400	875 – 1100	1875 – 2186
200	875 – 1100	1990 – 2186



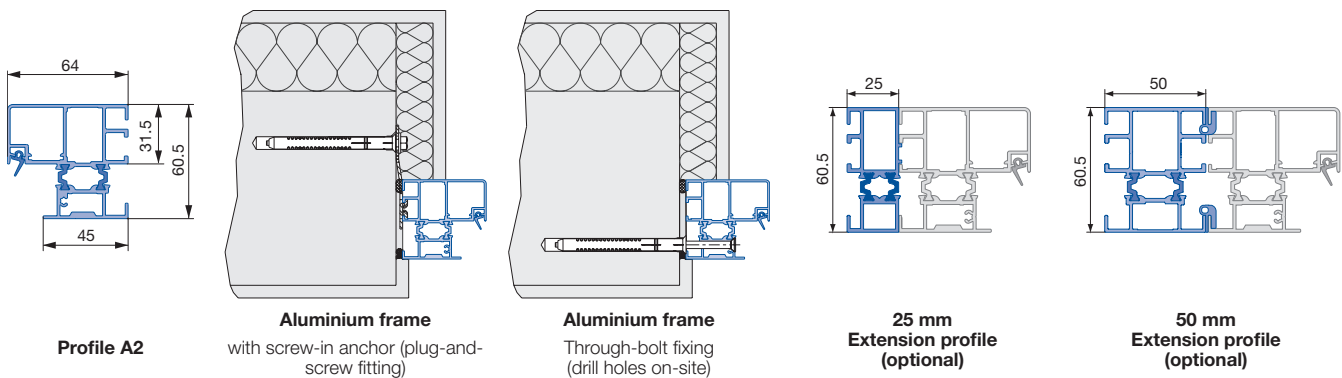
**RAMB** Overall frame width  
**RAMH** Overall frame height

**LWB** Structural opening width  
**LWH** Structural opening height  
**LZB** Clear frame dimension width  
**LZH** Clear frame dimension height

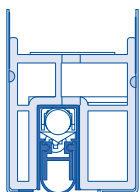
#### Wall connections for frames



#### Wall connections for frames



#### Retractable bottom seal (optional)



# Thermo46 Entrance Doors

## Entrance door programme

### Technical presentation of door set with side element / transom light



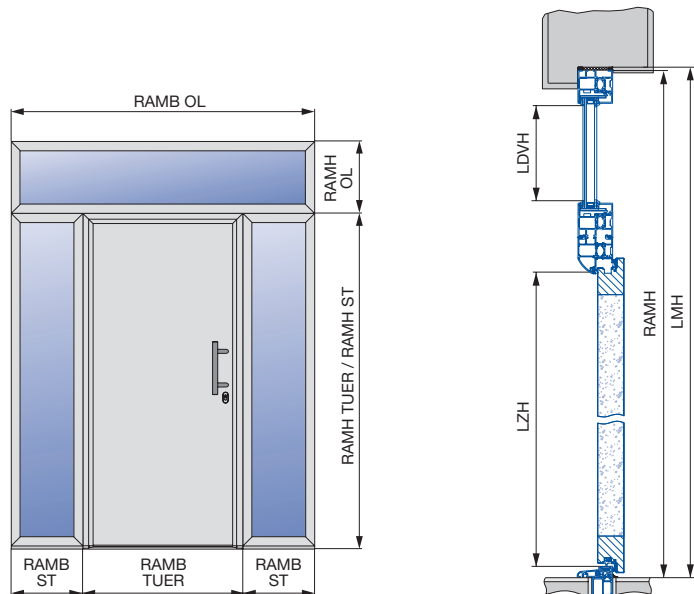
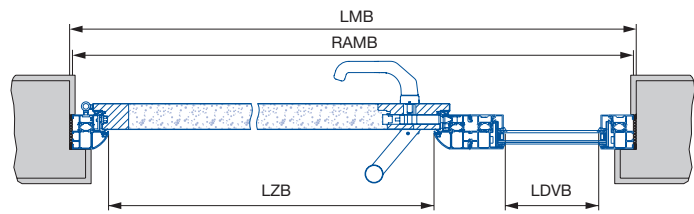
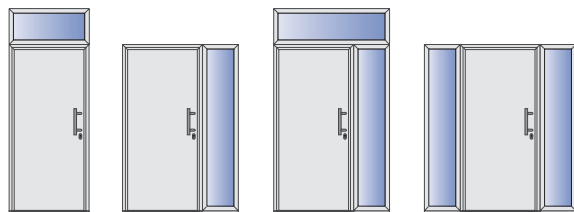
#### TPS entrance doors with side element / transom light

Standard sizes – Side element		
TPS Styles	Overall frame dimension	
	Width	Height
010/015/515/020/025/030/040/700/750/900/100/200/400	400	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 height  
**TUER** Door  
**ST** Side element  
**OL** Transom light

**LWB** Structural opening width  
**LWH** Structural opening height  
**LZB** Clear frame dimension width  
**LZH** Clear frame dimension height  
**LDVB** Glazing clear view width  
**LDVH** Glazing clear view height

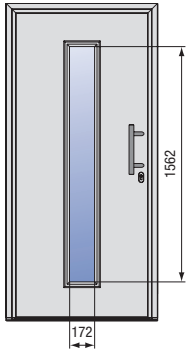
# Thermo46 Entrance Doors

Entrance door programme

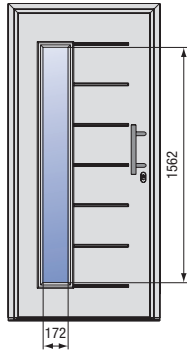
Presentation of door set with glazing



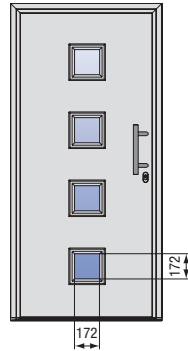
Clear view for styles with glazing



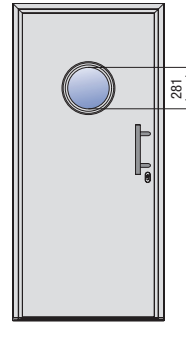
TPS 020S



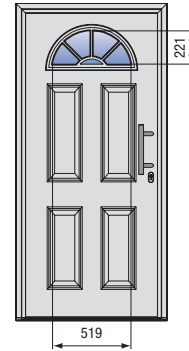
TPS 025S



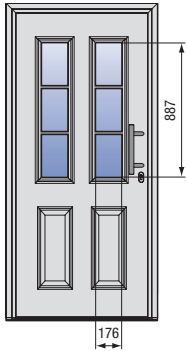
TPS 030S



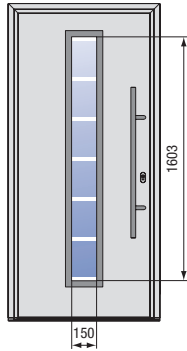
TPS 040S



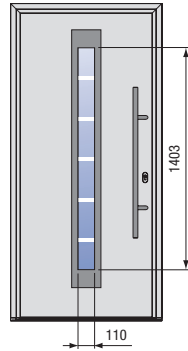
TPS 200I



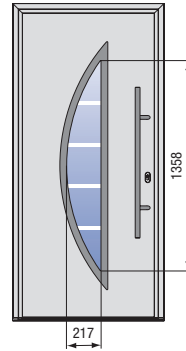
TPS 400I



TPS 700B



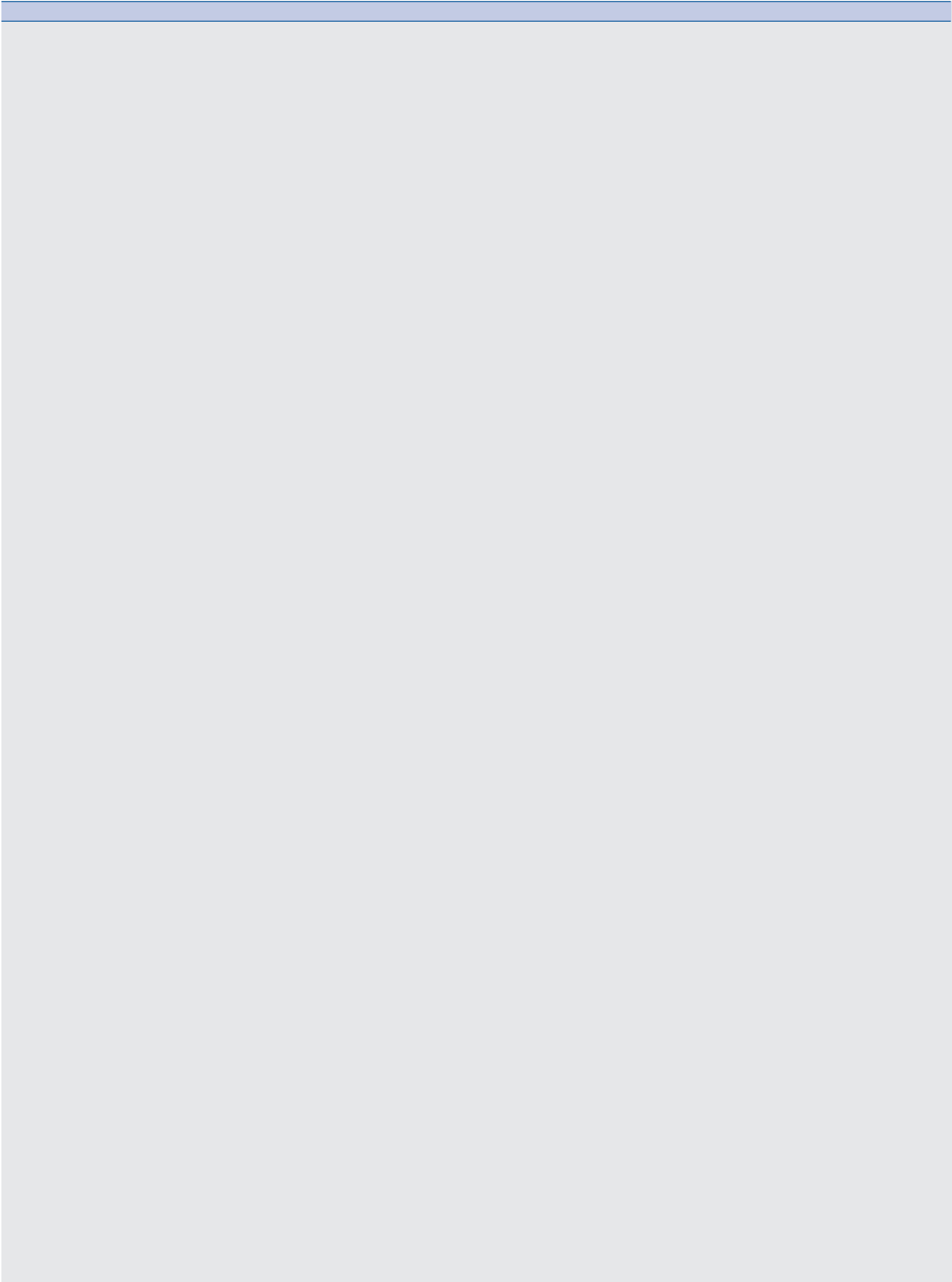
TPS 750C



TPS 900D



# Notes and Sketches



# Thermo46 Entrance Doors – Steel

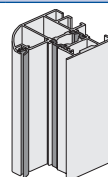
## Entrance door programme



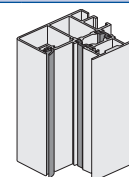
For a product description, see from page 2

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

**Color** 17 preferred colours (see page 2)  
**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
	<b>Style TPS 010</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1077	1193	1309	1077	1193	1309
		1100 × 2100						
		From 700 × 1875	1435	1551	1667	1435	1551	1667
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.1 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 015</b> <ul style="list-style-type: none"> <li>• Ribbed sheet with 7 ribs (exterior)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1121	1237	1353	1121	1237	1353
		1100 × 2100						
		From 875 × 1875	1479	1595	1711	1479	1595	1711
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.1 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 515</b> <ul style="list-style-type: none"> <li>• Ribbed sheet with 3 ribs (exterior)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1121	1237	1353	1121	1237	1353
		1100 × 2100						
		From 875 × 1875	1479	1595	1711	1479	1595	1711
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.1 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 020S</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety glass Satinato</li> <li>• Plastic glazing frame in door leaf colour (exception: decor surface finish*)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1319	1702	1819	1319	1702	1819
		1100 × 2100						
		From 700 × 1875	1677	2060	2177	1677	2060	2177
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.4 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 025S</b> <ul style="list-style-type: none"> <li>• Ribbed sheet with 7 ribs (exterior)</li> <li>• 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety glass Satinato</li> <li>• Plastic glazing frame in door leaf colour (exception: decor surface finish*)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1396	1779	1896	1396	1779	1896
		1100 × 2100						
		From 875 × 1875	1754	2137	2254	1754	2137	2254
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.4 W/(m <sup>2</sup> ·K)								

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

# Thermo46 Entrance Doors – Steel

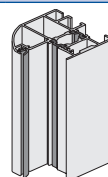
## Entrance door programme



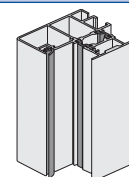
For a product description, see from page 2

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

**Color** 17 preferred colours (see page 2)  
**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
	<b>Style TPS 030S</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety glass Satinato</li> <li>• Plastic glazing frame in door leaf colour (exception: decor surface finish*)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100 1100 × 2100	1528	1911	2028	1528	1911	2028
		From 700 × 1875 to 1250 × 2250	1886	2269	2386	1886	2269	2386
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.3 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 040S</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety glass Satinato</li> <li>• Plastic glazing frame in door leaf colour (exception: decor surface finish*)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100 1100 × 2100	1319	1702	1819	1319	1702	1819
		From 700 × 1875 to 1250 × 2250	1677	2060	2177	1677	2060	2177
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.2 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 100</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100 1100 × 2100	1121	1237	-	1121	1237	-
		From 875 × 1875 to 1100 × 2186	1479	1595	-	1479	1595	-
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.1 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 200I</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• 2 panes of insulated glass, exterior single-pane safety glass – interior single-pane safety cathedral glass with small hammered finish</li> <li>• Plastic glazing frame with surface-mounted rails</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100 1100 × 2100	1396	1779	-	1396	1779	-
		From 875 × 1990 to 1100 × 2186	1754	2137	-	1754	2137	-
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.2 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 400I</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• 2 panes of insulated glass, exterior laminated safety glass – interior single-pane safety cathedral glass with small hammered finish</li> <li>• Plastic glazing frame with surface-mounted rails</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100 1100 × 2100	1270	1653	-	1270	1653	-
		From 875 × 1875 to 1100 × 2186	1628	2011	-	1628	2011	-
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.5 W/(m <sup>2</sup> ·K)								

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

# Thermo46 Entrance Doors – Steel

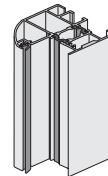
## Entrance door programme



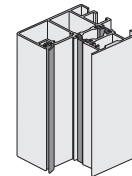
For a product description, see from page 2

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

**Color** 17 preferred colours (see page 2)  
**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
	<b>Style TPS 700B</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	1528	1644	1760	1528	1644	1760
		1100 × 2100						
		From 700 × 1875	1886	2002	2118	1886	2002	2118
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.3 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 750C</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 5 clear stripes – interior laminated safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	1528	1644	1760	1528	1644	1760
		1100 × 2100						
		From 700 × 1875	1886	2002	2118	1886	2002	2118
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.2 W/(m <sup>2</sup> ·K)								
	<b>Style TPS 900D</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 4 clear stripes – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	1576	1692	1808	1576	1692	1808
		1100 × 2100						
		From 800 × 1875	1934	2050	2166	1934	2050	2166
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.2 W/(m <sup>2</sup> ·K)								

Accessories and optional extras

See from page 11

# Thermo46 Entrance Doors

## Entrance door programme

### Accessories



#### Exterior door handles (included in door price) £

		<p><b>Handle HB 14-2</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> <li>• Standard with styles TPS 010, TPS 015, TPS 020, TPS 025, TPS 030, TPS 040, TPS 100, TPS 200, TPS 400 and TPS 515</li> </ul>	<p>Surcharge for conversion to handle HB 14-2</p>	<p><b>128</b></p>
		<p><b>Handle HB 38-2</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> <li>• Standard with styles TPS 700, TPS 750 and TPS 900</li> </ul>	<p>Surcharge for conversion to handle HB 38-2</p>	<p><b>128</b></p>
		<p><b>Handle HB 38-3</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> </ul>	<p>Surcharge for conversion to handle HB 38-3</p>	<p><b>128</b></p>

#### Rose escutcheon Surcharges £

	<p><b>Exterior oval rose escutcheon</b> (screwed)</p>	<p>Each</p>	<p><b>47</b></p>
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#### ES 0 fittings Including profile cylinder with 5 keys Surcharges £

	<p>Knob / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>128</b></p>
	<p>Lever handle / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>128</b></p>

#### 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.

	<p>Knob / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>206</b></p>
	<p>Lever handle / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>206</b></p>

# Thermo46 Entrance Doors

## Entrance door programme

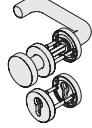
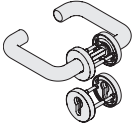
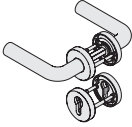
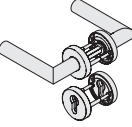
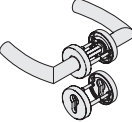
### Accessories



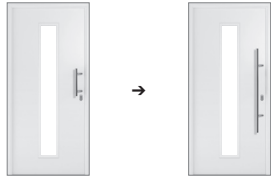
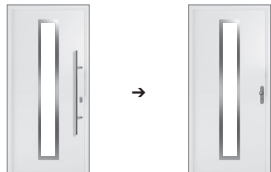
Rose escutcheons	Including profile cylinder with 5 keys	Surcharges	£
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**Note:**

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	<b>128</b>
	Lever handle / lever handle, type D-110	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-210	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-310	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-510	Stainless steel	Each	<b>128</b>

Calculation example	£
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<p><b>Conversion TPS 020 with HB 14-2 to HB 38-2</b></p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Style TPS 020 in RAL 9016 with profile A1 (standard size)</td> <td style="text-align: right;"><b>1319</b></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;"><b>128</b></td> </tr> <tr style="border-top: 1px solid black;"> <td style="padding-left: 20px;">= Total</td> <td style="text-align: right;"><b>1447</b></td> </tr> </table>	Style TPS 020 in RAL 9016 with profile A1 (standard size)	<b>1319</b>	+ Conversion from handle HB 14-2 to handle HB 38-2	<b>128</b>	= Total	<b>1447</b>
Style TPS 020 in RAL 9016 with profile A1 (standard size)	<b>1319</b>							
+ Conversion from handle HB 14-2 to handle HB 38-2	<b>128</b>							
= Total	<b>1447</b>							
<p><b>Conversion TPS 700 with HB 38-2 to Fitting ES 1</b></p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Style TPS 700 in RAL 9016 with profile A1 (standard size)</td> <td style="text-align: right;"><b>1528</b></td> </tr> <tr> <td style="padding-left: 20px;">+ Surcharge for ES 1 stainless steel knob / lever handle fitting</td> <td style="text-align: right;"><b>206</b></td> </tr> <tr style="border-top: 1px solid black;"> <td style="padding-left: 20px;">= Total</td> <td style="text-align: right;"><b>1734</b></td> </tr> </table>	Style TPS 700 in RAL 9016 with profile A1 (standard size)	<b>1528</b>	+ Surcharge for ES 1 stainless steel knob / lever handle fitting	<b>206</b>	= Total	<b>1734</b>
Style TPS 700 in RAL 9016 with profile A1 (standard size)	<b>1528</b>							
+ Surcharge for ES 1 stainless steel knob / lever handle fitting	<b>206</b>							
= Total	<b>1734</b>							

Advanced handle and letter plate options for styles TPS 100, TPS 200 and TPS 400	£
--	---

Silver aluminium sleeved letter plate only TPS 100, TPS 200 and TPS 400	<b>50</b>
Accessories	surcharge

Prepared for letter drop (TPS 010, 040, 100, 200, 400)	per door	<b>40</b>
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Glazing separative horizontal rail in the side element (only in RAL 9016 and Colour)	£
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	<p><b>Rail in the side element (not milled)</b></p> <ul style="list-style-type: none"> <li>• Glazing separative horizontal rail</li> </ul>	per side element	<b>215</b>
	<p><b>Rail in the side element (milled)</b></p> <ul style="list-style-type: none"> <li>• Glazing separative horizontal rail</li> <li>• milled for installation of a letter plate from size ≥ 450 mm (width)</li> </ul>	per side element	<b>254</b>

# Thermo46 Entrance Doors

## Entrance door programme

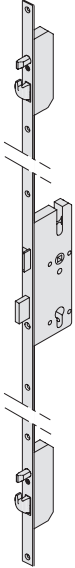
### Accessories



Emergency exit lock acc. to EN 179	Surcharges	£
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**Note:**

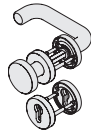
The rose escutcheons are only possible from a RAM width of 900 mm for the style TPS 400.



**Multiple-point locking with anti-panic function E**

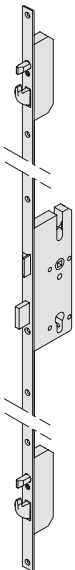
- Panic lock with stainless steel lock cover, distance 92 mm
- for the size range 1990–2250 mm

Each **162**



**Lever / knob handle set, rose escutcheon prepared for profile cylinder**

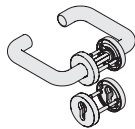
Black plastic	Each	<b>132</b>
Anodised aluminium (F1)	Each	<b>206</b>
Brushed stainless steel	Each	<b>266</b>



**Multiple-point locking with passage function D**

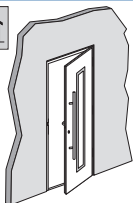
- Panic lock with stainless steel lock cover, distance 92 mm
- for the size range 1990–2250 mm

Each **222**



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

Black plastic	Each	<b>132</b>
Anodised aluminium (F1)	Each	<b>206</b>
Brushed stainless steel	Each	<b>266</b>



**Door set opening outwards**

(all approved characteristics will no longer apply!)

Per door **75**

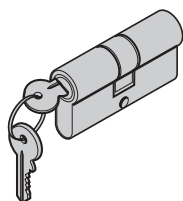
# Thermo46 Entrance Doors

## Entrance door programme

### Accessories

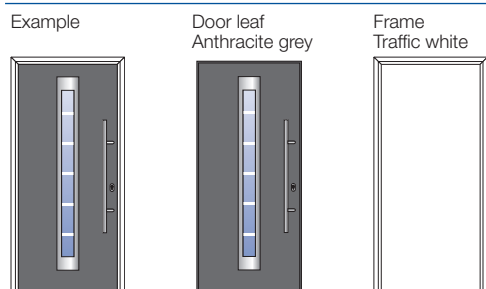


Profile cylinder			£
Profile cylinder (35.5 + 27.5 mm) For HB 14-2, HB 38-2 and HB 38-3 push bars	With 8 keys	Each	<b>50</b>
	With 10 keys	Each	<b>59</b>
Profile cylinder (40.5 + 31.5 mm) For ES 0 fittings	With 5 keys	Each	<b>37</b>
	With 8 keys	Each	<b>50</b>
	With 10 keys	Each	<b>59</b>
Profile cylinder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



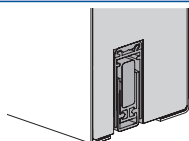
### Door leaf and frame in different colours/surfaces

#### Colours of door leaf and frame differ



Door leaf	Frame	Price for entrance door with surface
RAL 9016	Color	<b>Color</b>
RAL 9016	Decor	<b>Decor</b>
Color	RAL 9016	<b>Color</b>
Color	Decor	<b>Decor</b>
Decor	RAL 9016	<b>Decor</b>
Decor	Color	<b>Decor</b>

### Retractable bottom seal



#### Retractable bottom seal (Frame without threshold)

Each **283**

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

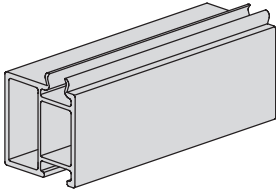
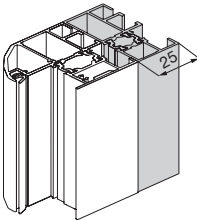
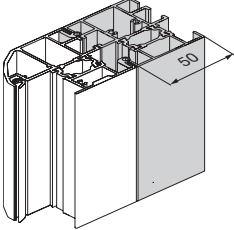
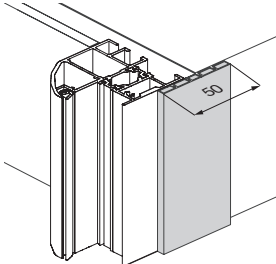
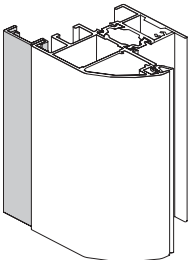


# Thermo46 Entrance Doors

## Entrance door programme

### Accessories



Profiles						£
	<b>Bottom spacer profile</b>	Length up to 1250 mm	Height 30 mm	Each	<b>26</b>	
			Height 60 mm	Each	<b>51</b>	
			Height 90 mm	Each	<b>76</b>	
			Height 120 mm	Each	<b>102</b>	
			Height 150 mm	Each	<b>127</b>	
		Length up to 2250 mm	Height 30 mm	Each	<b>42</b>	
			Height 60 mm	Each	<b>84</b>	
			Height 90 mm	Each	<b>126</b>	
			Height 120 mm	Each	<b>168</b>	
			Height 150 mm	Each	<b>209</b>	
		Length up to 3250 mm	Height 30 mm	Each	<b>61</b>	
			Height 60 mm	Each	<b>121</b>	
			Height 90 mm	Each	<b>182</b>	
			Height 120 mm	Each	<b>242</b>	
			Height 150 mm	Each	<b>303</b>	
	<b>Extension profile 25 mm</b>	Dimensions (W x D): 25 x 60.5 mm		RAL 9016	Per m	<b>53</b>
				Color	Per m	<b>63</b>
				Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per m	<b>66</b>
	<b>Extension profile 50 mm</b>	Dimensions (W x D): 50 x 60.5 mm		RAL 9016	Per m	<b>59</b>
				Color	Per m	<b>69</b>
				Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per m	<b>72</b>
	<b>Cover profile</b>	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	<b>120</b>
				Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per box	<b>161</b>
	<b>Supplementary profile (on 3 sides)</b>	Width 20 mm, mitred, incl. corner bracket and fitting screws		RAL 9016	Per door	<b>247</b>
				Color	Per door	<b>310</b>
				Golden Oak, Dark Oak, Titan Metallic CH 703	Per door	<b>321</b>

# Thermo46 Entrance Doors

## Entrance door programme

### Accessories



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

# Thermo46 Entrance Doors

Entrance door programme

## Accessories



### Accessories £



#### Stainless steel bottom sheet on the exterior (separate)

- Bottom sheet height 110 mm
- Size range of heights for style

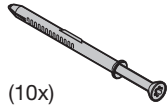
Style	Height (RAM)
TPS 010 / TPS 040	1875 – 2250 mm
TPS 015 / TPS 020 / TPS 025 / TPS 030 / TPS 100 / TPS 200 / TPS 400 / TPS 515 / TPS 700 / TPS 750 / TPS 900	2050 – 2250 mm

Per door **180**

#### Note:

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

### Fitting material £

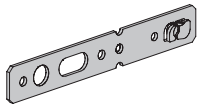


(10x)

#### Fitting set

10 x screws and 10 x plugs

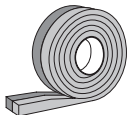
Per set **24**



#### Screw-in anchor set

Length 280 mm (8 x anchors)

Per set **29**



#### Pre-compressed sealing strip (56 mm wide) for groove widths from 6 – 15 mm

(for fitting according to the state of technology)

Per roll **88**

# Thermo46 Entrance Doors

## Entrance door programme

### Accessories



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

Attack side = closing side (opposite hinge side)

RC 2	TPS 010	TPS 015	TPS 515	TPS 100					
					Package HB 14-2 with security rose escutcheon	Stainless steel	Per door	<b>132</b>	
					ES 1 fittings	Knob / lever handle	Stainless steel	Per door	<b>206</b>
						Lever handle / lever handle	Stainless steel	Per door	<b>206</b>
RC 2	TPS 700	TPS 750	TPS 900						
					Package HB 38-2 with security rose escutcheon and safety glass (P4A)	Stainless steel	Per door	<b>242</b>	
					Fittings ES 1 and safety glass (P4A)	Knob / lever handle	Stainless steel	Per door	<b>316</b>
						Lever handle / lever handle	Stainless steel	Per door	<b>316</b>

#### Approved size range for RC 2 version for each style

	TPS 010	TPS 700	TPS 750	TPS 900	TPS 100	TPS 015	TPS 515
Width	832 – 1250				875 – 1100	875 – 1250	
Height	1875 – 2250				1875 – 2186	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>		→		Style TPS 700 in RAL 9016 with profile A1 (standard size)	<b>1528</b>
				+ Conversion for package HB 38-2 with security rose escutcheon	<b>242</b>
				= Total	<b>1770</b>

#### Secured By Design option £



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.

Available on styles 100, 700, 900, 010, 030, 040 and 015




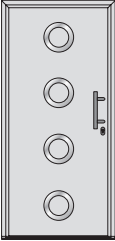


**117**

# Thermo46 Entrance Doors

Entrance door programme

## Accessories



Embellishments in stainless steel look for style TPS 010 (on the exterior)			Surcharge	£
	<b>View 451</b>	<b>Stainless steel frames</b> Overall dimension 240 x 240 mm Inside dimension 160 x 160 mm	<b>Style TPS 010</b> Per door	<b>243</b>
	<b>View 454</b>	<b>Stainless steel frames</b> Overall dimension 145 x 145 mm	<b>Style TPS 010</b> Per door	<b>243</b>
	<b>View 457</b>	<b>Curved stainless steel frames</b>	<b>Style TPS 010</b> Per door	<b>243</b>
	<b>View 459</b>	<b>Stainless steel rings</b> Overall dimension Ø240 mm Inside dimension Ø160 mm	<b>Style TPS 010</b> Per door	<b>243</b>
	<b>View 750</b>	<b>Stainless steel frame over entire leaf height</b>	<b>Style TPS 010</b> Per door	<b>243</b>
	<b>View 751</b>	<b>3 parallel stainless steel strips over the entire leaf height</b>	<b>Style TPS 010</b> Per door	<b>243</b>

# Thermo46 Entrance Doors

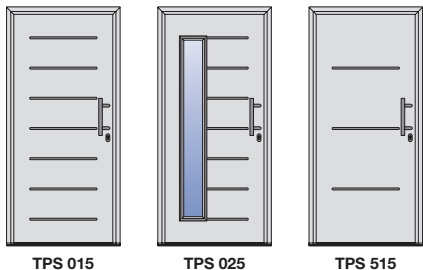
Entrance door programme

## Accessories



### Embellishments in stainless steel look (on the exterior)

£



TPS 015

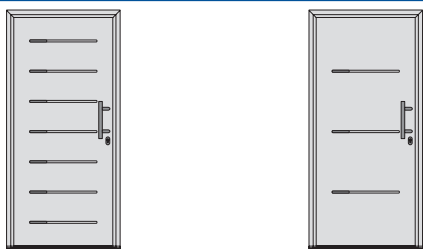
TPS 025

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	<b>189</b>
Style TPS 025	Per door	<b>189</b>
Style TPS 515	Per door	<b>126</b>



TPS 015

TPS 515

#### Embellishment in stainless steel look view 401

Inlay length 118 mm per rib

Style TPS 015	Per door	<b>189</b>
Style TPS 515	Per door	<b>126</b>



TPS 015

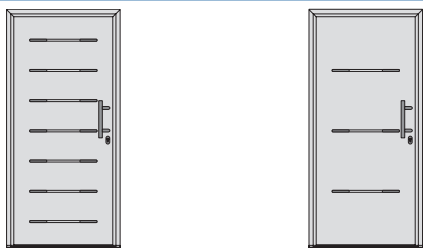
TPS 025

TPS 515

#### Embellishment in stainless steel look view 402

Inlay length 118 mm per rib

Style TPS 015	Per door	<b>189</b>
Style TPS 025	Per door	<b>189</b>
Style TPS 515	Per door	<b>126</b>



TPS 015

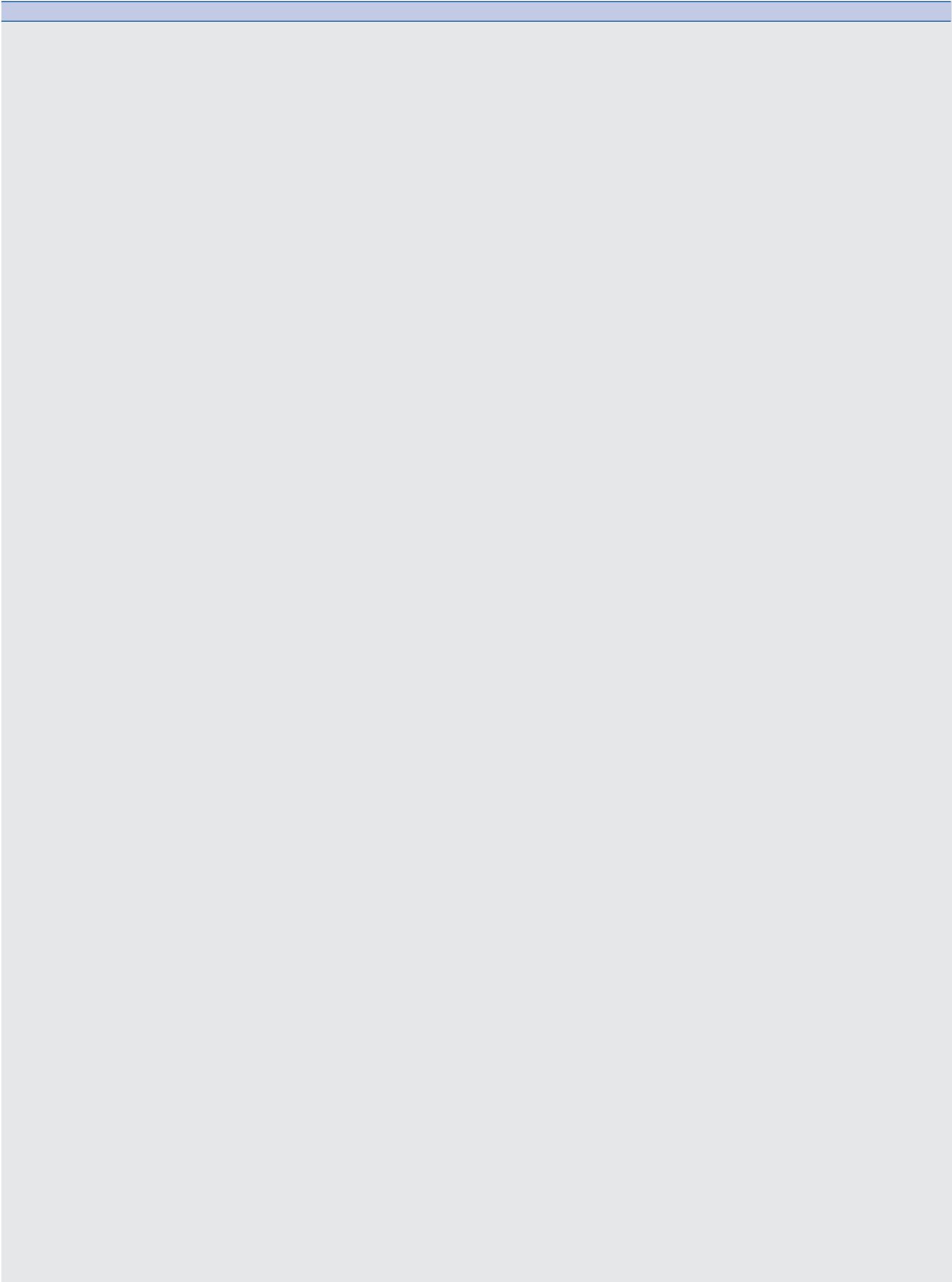
TPS 515

#### Embellishment in stainless steel look view 403

Inlay length 2 × 118 mm per rib

Style TPS 015	Per door	<b>189</b>
Style TPS 515	Per door	<b>126</b>

# Notes and Sketches



# Thermo46 Entrance Doors

## Entrance door programme

### Side elements and transom lights

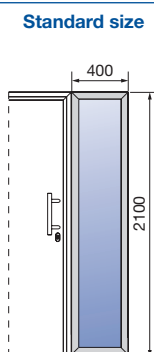


#### Side element

##### Fixed side element assembly

###### Note:

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



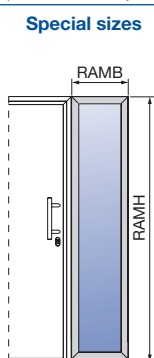
Standard size	Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
400 x 2100		Clear glass	759	882	921
		Satinato	759	882	921
		Cathedral glass	759	882	921
		Sand-blasted float	759	882	921
		Sand-blasted float with clear stripes	1279	1402	1442

#### Side element

##### Fixed side element assembly

###### Note:

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



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

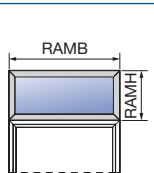
\* Only possible without transom light  
Door set with side element does not contribute to the static equilibrium. Statics must be ensured by the building structure.

#### Transom light

##### Fixed transom light assembly

###### Note:

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



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

RAMB = Overall frame width  
RAMH = Overall frame 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</p>	<p>TPS 015</p>	<p>TPS 515</p>	<ol style="list-style-type: none"> <li>Satinato single-pane safety glass</li> <li>Sand-blasted laminated safety glass (without clear stripes)</li> <li>Clear laminated safety glass</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>			
	<p>TPS 020</p>	<p>TPS 025</p>	<p>TPS 030</p>				<ol style="list-style-type: none"> <li>Satinato single-pane safety glass</li> <li>Laminated safety glass, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>
	<p>TPS 040</p>								
"Classic"	<p>TPS 100</p>	<p>TPS 200</p>	<p>TPS 400</p>	<ol style="list-style-type: none"> <li>Single-pane safety cathedral glass</li> <li>Laminated safety glass, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2186 mm</p>	<p><b>Width</b> 875 – 2100 mm</p> <p><b>Height</b> 300 – 500 mm</p>			
	"Modern" type B	<p>TPS 700</p>	<p>TPS 750</p>				<p>TPS 900</p>	<ol style="list-style-type: none"> <li>Sand-blasted laminated safety glass (without clear stripes)</li> <li>Laminated safety glass, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>
<p>TPS 700</p>		<p>TPS 750</p>	<p>TPS 900</p>	<ol style="list-style-type: none"> <li>Sand-blasted laminated safety glass with clear stripes (only in side element)</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 1875 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>			
<p>TPS 700</p>		<p>TPS 750</p>	<p>TPS 900</p>						

# Thermo65 Entrance Doors

## Entrance door programme

### Product description



Product description		Thermo65 – steel THP														
		010	015	515	100	410 S	430 E	600 S	700 B	750 C	800 S	810 E	820 S	850 B	900 D	
<b>Door leaf structure</b>																
Smooth sheet		•						•	•	•	•	•	•	•	•	
Ribbed sheet (exterior)			•	•												
Panelled sheet (on both sides)					•	•	•									
Door leaf thickness		65 mm thick														
Fully foamed, with thermal break, Exterior and interior overlapping the leaf		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Size ranges (see also page 30)</b>																
Standard sizes (RAM)		1000 × 2100 mm and 1100 × 2100 mm														
Special sizes (RAM)	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				•	•	•									
<b>Surface finish</b>																
<b>Note:</b>																
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.																
Standard		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		<ul style="list-style-type: none"> <li>Painted in Traffic white on both sides, based on RAL 9016</li> <li>Silk matt, gloss level 35–40 %</li> </ul>														
Color		•	•	•	•			•	•	•	•	•	•	•	•	
		<ul style="list-style-type: none"> <li>17 preferred colours</li> <li>Painted on both sides, based on the RAL colour chart</li> <li>Silk matt, gloss level 35–40 %</li> </ul>														
		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 Gention blue			RAL 8003 Clay brown											
		RAL 5014 Pigeon blue			RAL 8028 Terra brown			CH 703 Anthracite metallic								
Decor		•	•	•				•	•	•	•	•	•	•	•	
Film coating, on both sides		•	•	•				•	•	•	•	•	•	•	•	
Golden Oak		•	•	•				•	•	•	•	•	•	•	•	
Dark Oak		•	•	•				•	•	•	•	•	•	•	•	
Night Oak		•	•	•				•	•	•	•	•	•	•	•	
Winchester Oak		•	•	•				•	•	•	•	•	•	•	•	
Titan Metallic CH 703		•	•	•				•	•	•	•	•	•	•	•	
<b>Seals</b>																
Door leaf: 4-sided, double seals		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Frame: 3-sided seals		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Lock</b>																
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		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Electric strikes</b>																
Electric strike with day catch (separate)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	
<b>Security bolts</b>																
Safety strip on the hinge side		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Frames</b>																
Aluminium block frame with thermal break (colour matching the door leaf)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
With aluminium / plastic threshold with thermal break (can be exchanged later)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Thermal insulation value (in W/(m<sup>2</sup>·K))</b>																
► Dependent on the size and frame type		For a product description, see from page 30														
<b>Features</b>																
EN 12207 – air permeability		Class 4 (bolted and locked) / Class 3 (bolted in latch)														
EN 12208 – leak tightness		Class 3a (latched or bolted and locked)														
EN 12219 – differential climate behaviour		2d / 2e														

# Thermo65 Entrance Doors

## Entrance door programme

### Product description



Product description	Thermo65 – steel THP													
	010	015	515	100	410 S	430 E	600 S	700 B	750 C	800 S	810 E	820 S	850 B	900 D
<b>Version in RC 2</b>														
<b>Attack side = opening or closing side (hinge side or opposite hinge side)</b>														
RC 2 with aluminium frame, hook bolt lock, or automatic lock (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 or automatic lock (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)	○	○	○					○	○	○	○		○	○
<b>Attack side = opening or closing side (hinge side or opposite hinge side)</b>														
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								○	○	○	○		○	○
<b>Size ranges</b>														
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													
<b>Fittings</b>														
<b>Hinges</b>														
3 two-part guide rollers (180 mm), 3-way adjustable, with cover caps (stainless steel look), with securing pin	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Door handle (exterior)</b>														
Exterior handle HB 14-2, brushed stainless steel	●	●	●	●	●	●	○	○	○	○	○	○	○	○
Exterior handle HB 38-2, brushed stainless steel	○	○	○	○	○	○	●	●	●	●	●	●	●	●
<b>Door handle (interior)</b>														
Stainless steel lever handle	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Rose escutcheon (exterior and interior)</b>														
Oval stainless-steel profile cylinder rose escutcheons	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Profile cylinder</b>														
Cylinder length 40.5 x 40.5 mm, with 5 keys, with emergency and hazard function	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Glazing frame</b>														
Stainless steel, bonded								●	●	●	●	●	●	●
Profile-style plastic, clipped					●	●								
<b>Glazing (For details on glass design, see style descriptions on pages 30-33)</b>														
<b>A</b> Insulated triple glazing, fully sand-blasted float														
<b>B</b> Insulated triple glazing, sand-blasted float with 7 clear stripes								●					●	
<b>C</b> Insulated triple glazing, sand-blasted float with 5 clear stripes									●					
<b>D</b> Insulated triple glazing, sand-blasted float with 4 clear stripes														●
<b>E</b> Insulated triple glazing, sand-blasted float with clear stripes (frame)						●					●			
<b>S</b> Insulated triple glazing, Satinato					●		●			●		●		
<b>Side element / transom light</b>														
For doors opening inwards	○	○	○	○	○	○	○	○	○	○	○	○	○	○
For doors opening outwards	○	○	○	○	○	○	○	○	○	○	○	○	○	○

- Standard
- Optional

# Thermo65 Entrance Doors

## Entrance door programme

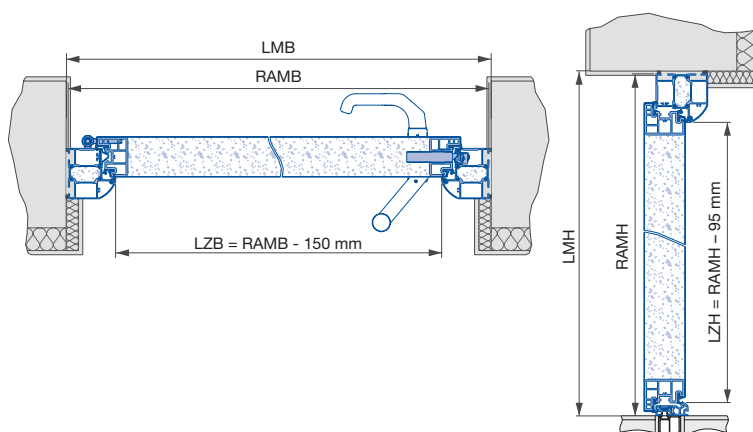
### Technical presentation of door set



#### THP entrance doors with aluminium frame, profile A3

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

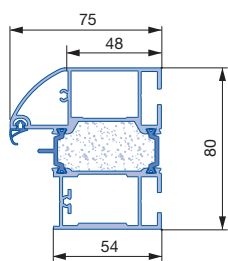
Special sizes		
THP Styles	Overall frame dimension	
	Width	Height
010/600/700/ 750/800/810	700 – 1250	1875 – 2250
820/850/900	800 – 1250	1875 – 2250
015/515	875 – 1250	1875 – 2250
100/410/430	875 – 1100	1875 – 2186



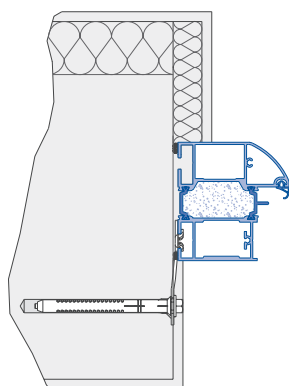
**RAMB** Overall frame width  
**RAMH** Overall frame height

**LWB** Structural opening width  
**LWH** Structural opening height  
**LZH** Clear frame dimension height  
**LZB** Clear frame dimension width

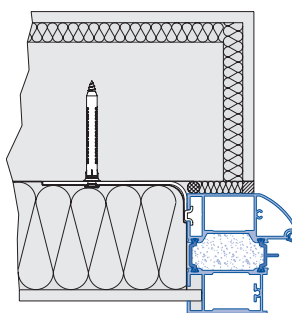
#### Wall connections for frames



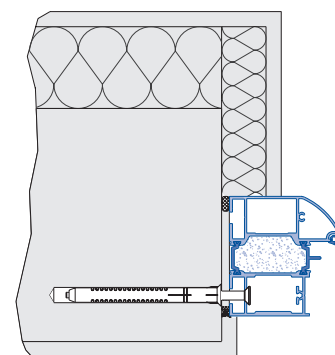
**Profile A3**



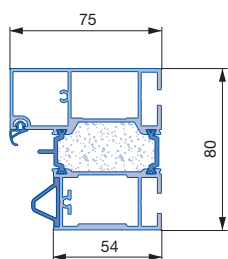
**Aluminium frame**  
with screw-in anchor  
(plug-and-screw fitting)



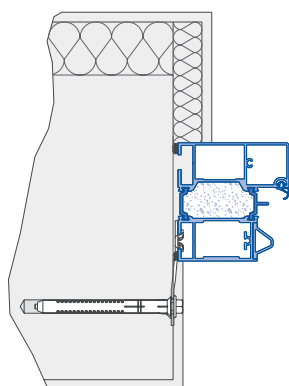
**Aluminium frame**  
to the wall  
with screw-in anchor (plug-and-screw fitting)



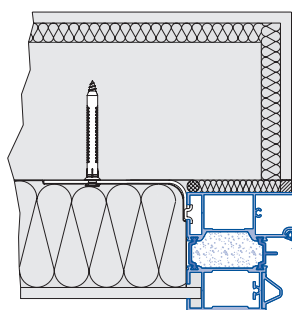
**Aluminium frame**  
Through-bolt fixing  
(drill holes on-site)



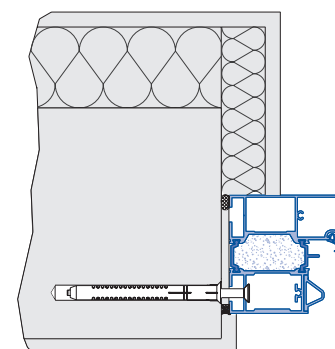
**Profile A4**



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



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



**Aluminium frame**  
Through-bolt fixing  
(drill holes on-site)

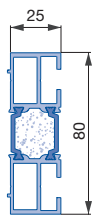
# Thermo65 Entrance Doors

Entrance door programme

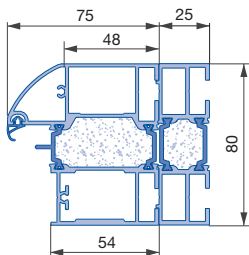
Technical presentation of door set



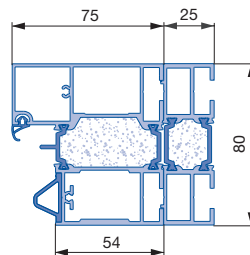
## Wall connections for frames



Extension profile 25 mm (optional)

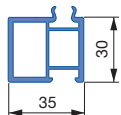


With aluminium frame profile A3

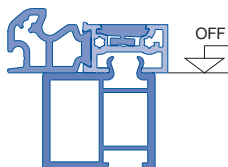


With aluminium frame profile A4

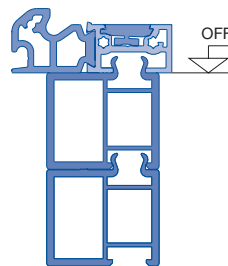
## Bottom edge



Bottom spacer profile (optional)

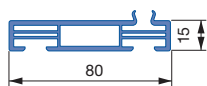


With 1 bottom spacer profile

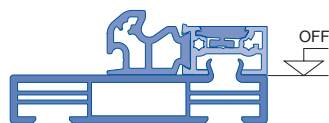


With 2 bottom spacer profiles

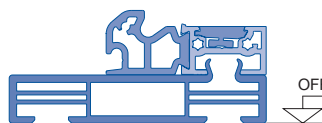
FFL Finished floor level



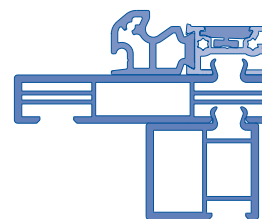
Base frame profile (optional)



Base frame profile below FFL

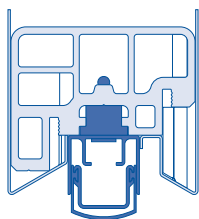


Base frame profile above FFL

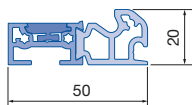


Base frame profile and bottom spacer profile Can be combined

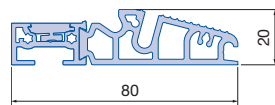
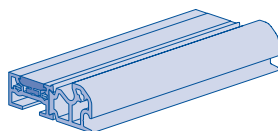
## Retractable bottom seal (optional)



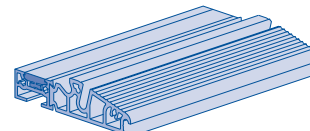
## Threshold rails



Threshold S11 (Standard)



Threshold S12 (Optional for aluminium frame profile A4)



# Thermo65 Entrance Doors

Entrance door programme

## Technical presentation of door set with side element / transom light



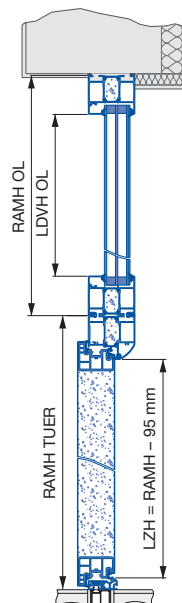
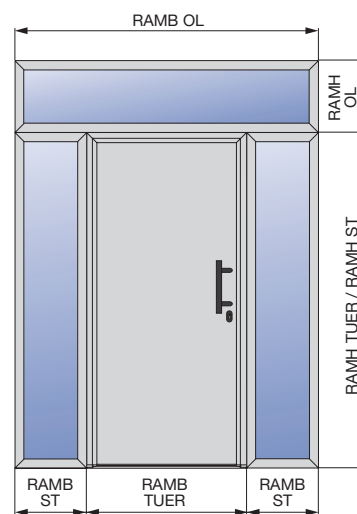
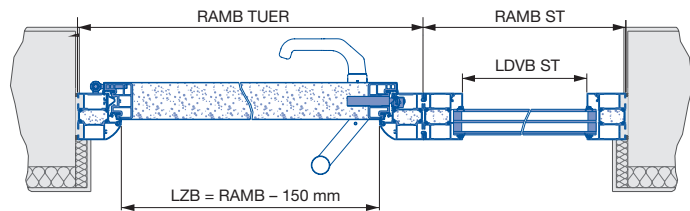
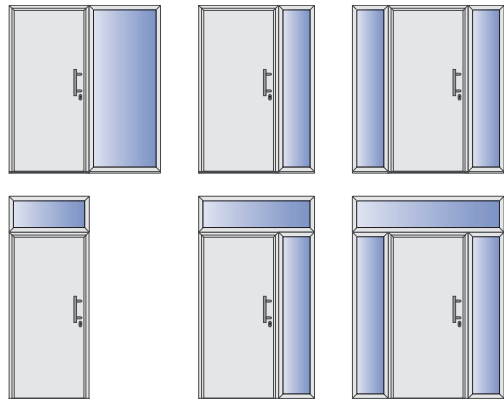
### THP entrance doors with side element / transom light

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

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

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

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



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

**LWB** Structural opening width  
**LWH** Structural opening height  
**LZB** Clear frame dimension width  
**LZH** Clear frame dimension height  
**LDVB** Glazing clear view width  
**LDVH** Glazing clear view height

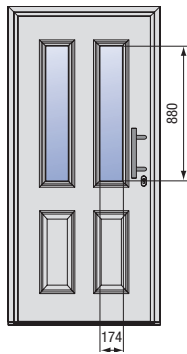
# Thermo65 Entrance Doors

Entrance door programme

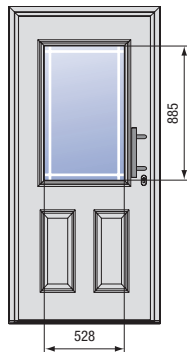
Technical presentation of clear view for doors with glazing



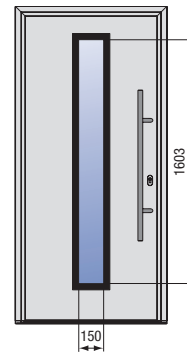
## Clear view for styles with glazing



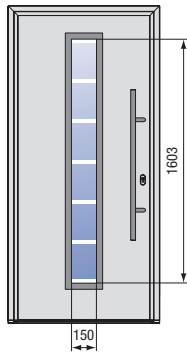
THP 410S



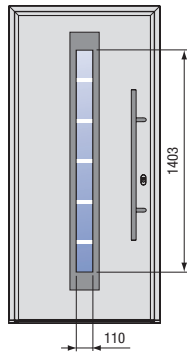
THP 430E



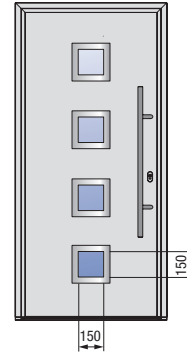
THP 600S



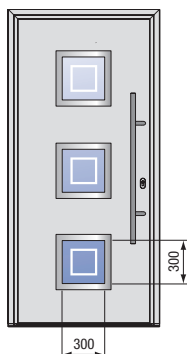
THP 700B



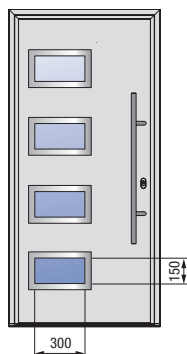
THP 750C



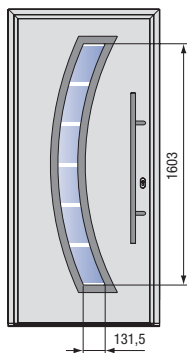
THP 800S



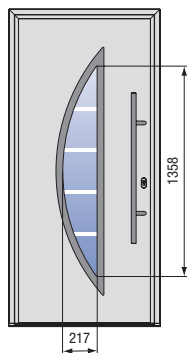
THP 810E



THP 820S



THP 850B



THP 900D

# Thermo65 Entrance Doors

## Entrance door programme

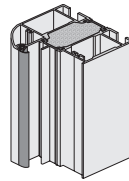


For a product description, see from page 24

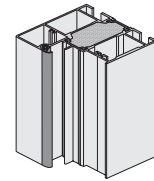
- Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Multiple-point lock

**Color** 17 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
	<b>Style THP 010</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1526	1642	1758	1526	1642	1758
		1100 × 2100						
		From 700 × 1875	1884	2000	2116	1884	2000	2116
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.87 W/(m <sup>2</sup> ·K)								
	<b>Style THP 015</b> <ul style="list-style-type: none"> <li>• Ribbed sheet with 7 ribs (exterior)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1607	1723	1839	1607	1723	1839
		1100 × 2100						
		From 875 × 1875	1965	2081	2197	1965	2081	2197
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.87 W/(m <sup>2</sup> ·K)								
	<b>Style THP 515</b> <ul style="list-style-type: none"> <li>• Ribbed sheet with 3 ribs (exterior)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1607	1723	1839	1607	1723	1839
		1100 × 2100						
		From 875 × 1875	1965	2081	2197	1965	2081	2197
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.87 W/(m <sup>2</sup> ·K)								



# Thermo65 Entrance Doors

## Entrance door programme

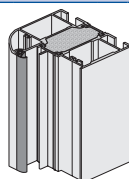


For a product description, see from page 24

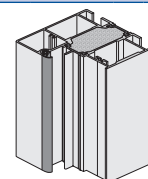
- Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Multiple-point lock

**Color** 17 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
	<b>Style THP 100</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	1555	1671	-	1555	1671	-
		1100 × 2100						
		From 875 × 1875	1913	2029	-	1913	2029	-
		to 1100 × 2186						
		▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.87 W/(m <sup>2</sup> ·K)						
	<b>Style THP 410S</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – Satinato – interior laminated safety glass</li> <li>• Plastic glazing frame</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	2564	2947 *	-	2564	2947 *	-
		1100 × 2100						
		From 875 × 1875	2922	3305 *	-	2922	3305 *	-
		to 1100 × 2186						
		▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.0 W/(m <sup>2</sup> ·K)						
	<b>Style THP 430E</b> <ul style="list-style-type: none"> <li>• Panelled sheet (on both sides)</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (frame) – interior laminated safety glass</li> <li>• Plastic glazing frame</li> <li>• Handle HB 14-2</li> </ul>	1000 × 2100	2564	2947 *	-	2564	2947 *	-
		1100 × 2100						
		From 875 × 1875	2922	3305 *	-	2922	3305 *	-
		to 1100 × 2186						
		▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.0 W/(m <sup>2</sup> ·K)						

\* // NEW

The styles THP 410S and THP 430E are available from 01.07.2019 in Color.

# Thermo65 Entrance Doors

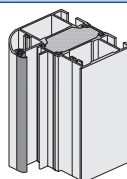
## Entrance door programme



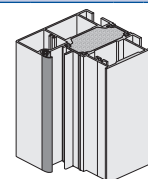
For a product description, see from page 24

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

**Color** 17 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																		
	<b>Style THP 600S</b>																									
	<ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 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</li> <li>• Handle HB 38-2</li> </ul>	<table border="1"> <tr> <td></td> <td>1000 × 2100</td> <td rowspan="2">2692</td> <td rowspan="2">2808</td> <td rowspan="2">2924</td> <td rowspan="2">2692</td> <td rowspan="2">2808</td> <td rowspan="2">2924</td> </tr> <tr> <td></td> <td>1100 × 2100</td> </tr> <tr> <td>From</td> <td>700 × 1875</td> <td rowspan="2">3051</td> <td rowspan="2">3167</td> <td rowspan="2">3283</td> <td rowspan="2">3051</td> <td rowspan="2">3167</td> <td rowspan="2">3283</td> </tr> <tr> <td>to</td> <td>1250 × 2250</td> </tr> </table>		1000 × 2100	2692	2808	2924	2692	2808	2924		1100 × 2100	From	700 × 1875	3051	3167	3283	3051	3167	3283	to	1250 × 2250				
	1000 × 2100	2692	2808	2924							2692	2808	2924													
	1100 × 2100																									
From	700 × 1875	3051	3167	3283	3051	3167	3283																			
to	1250 × 2250																									
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 1.00 W/(m <sup>2</sup> ·K)																										
	<b>Style THP 700B</b>																									
	<ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	<table border="1"> <tr> <td></td> <td>1000 × 2100</td> <td rowspan="2">2394</td> <td rowspan="2">2510</td> <td rowspan="2">2626</td> <td rowspan="2">2394</td> <td rowspan="2">2510</td> <td rowspan="2">2626</td> </tr> <tr> <td></td> <td>1100 × 2100</td> </tr> <tr> <td>From</td> <td>700 × 1875</td> <td rowspan="2">2752</td> <td rowspan="2">2868</td> <td rowspan="2">2984</td> <td rowspan="2">2752</td> <td rowspan="2">2868</td> <td rowspan="2">2984</td> </tr> <tr> <td>to</td> <td>1250 × 2250</td> </tr> </table>		1000 × 2100	2394	2510	2626	2394	2510	2626		1100 × 2100	From	700 × 1875	2752	2868	2984	2752	2868	2984	to	1250 × 2250				
	1000 × 2100	2394	2510	2626							2394	2510	2626													
	1100 × 2100																									
From	700 × 1875	2752	2868	2984	2752	2868	2984																			
to	1250 × 2250																									
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.97 W/(m <sup>2</sup> ·K)																										
	<b>Style THP 750C</b>																									
	<ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 5 clear stripes – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	<table border="1"> <tr> <td></td> <td>1000 × 2100</td> <td rowspan="2">2394</td> <td rowspan="2">2510</td> <td rowspan="2">2626</td> <td rowspan="2">2394</td> <td rowspan="2">2510</td> <td rowspan="2">2626</td> </tr> <tr> <td></td> <td>1100 × 2100</td> </tr> <tr> <td>From</td> <td>700 × 1875</td> <td rowspan="2">2752</td> <td rowspan="2">2868</td> <td rowspan="2">2984</td> <td rowspan="2">2752</td> <td rowspan="2">2868</td> <td rowspan="2">2984</td> </tr> <tr> <td>to</td> <td>1250 × 2250</td> </tr> </table>		1000 × 2100	2394	2510	2626	2394	2510	2626		1100 × 2100	From	700 × 1875	2752	2868	2984	2752	2868	2984	to	1250 × 2250				
	1000 × 2100	2394	2510	2626							2394	2510	2626													
	1100 × 2100																									
From	700 × 1875	2752	2868	2984	2752	2868	2984																			
to	1250 × 2250																									
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.95 W/(m <sup>2</sup> ·K)																										
	<b>Style THP 800S</b>																									
	<ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – Satinato – interior laminated safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	<table border="1"> <tr> <td></td> <td>1000 × 2100</td> <td rowspan="2">2570</td> <td rowspan="2">2686</td> <td rowspan="2">2802</td> <td rowspan="2">2570</td> <td rowspan="2">2686</td> <td rowspan="2">2802</td> </tr> <tr> <td></td> <td>1100 × 2100</td> </tr> <tr> <td>From</td> <td>700 × 1875</td> <td rowspan="2">2929</td> <td rowspan="2">3044</td> <td rowspan="2">3161</td> <td rowspan="2">2929</td> <td rowspan="2">3044</td> <td rowspan="2">3161</td> </tr> <tr> <td>to</td> <td>1250 × 2250</td> </tr> </table>		1000 × 2100	2570	2686	2802	2570	2686	2802		1100 × 2100	From	700 × 1875	2929	3044	3161	2929	3044	3161	to	1250 × 2250				
	1000 × 2100	2570	2686	2802							2570	2686	2802													
	1100 × 2100																									
From	700 × 1875	2929	3044	3161	2929	3044	3161																			
to	1250 × 2250																									
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.93 W/(m <sup>2</sup> ·K)																										

# Thermo65 Entrance Doors

## Entrance door programme

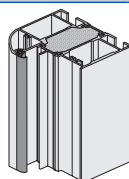


For a product description, see from page 24

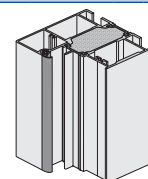
- Steel door leaf overlapping the leaf, with thermal break, exterior and interior in the same colour
- Aluminium frame
- Multiple-point lock

**Color** 17 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
	<b>Style THP 810E</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with clear stripes (square) – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	2570	2686	2802	2570	2686	2802
		1100 × 2100						
		From 700 × 1875	2929	3044	3161	2929	3044	3161
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.98 W/(m <sup>2</sup> ·K)								
	<b>Style THP 820S</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – Satinato – interior laminated safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	2570	2686	2802	2570	2686	2802
		1100 × 2100						
		From 800 × 1875	2929	3044	3161	2929	3044	3161
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.96 W/(m <sup>2</sup> ·K)								
	<b>Style THP 850B</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 7 clear stripes – interior laminated safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	2778	2894	3010	2778	2894	3010
		1100 × 2100						
		From 800 × 1875	3136	3252	3368	3136	3252	3368
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.97 W/(m <sup>2</sup> ·K)								
	<b>Style THP 900D</b> <ul style="list-style-type: none"> <li>• Smooth sheet</li> <li>• 3 panes of insulated glass, exterior laminated safety glass – sand-blasted float with 4 clear stripes – interior single-pane safety glass</li> <li>• Stainless steel glazing frame</li> <li>• Handle HB 38-2</li> </ul>	1000 × 2100	2570	2686	2802	2570	2686	2802
		1100 × 2100						
		From 800 × 1875	2929	3044	3161	2929	3044	3161
		to 1250 × 2250						
▶ U <sub>D</sub> value for size 1230 × 2180 mm: 0.95 W/(m <sup>2</sup> ·K)								

Accessories and optional extras

See from page 34

# Thermo65 Entrance Doors

## Entrance door programme

### Accessories



#### Exterior door handles (included in door price) £

	<p><b>Handle HB 14-2</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> <li>• Standard for styles THP 010, THP 015, THP 100, THP 410, THP 430 and THP 515</li> </ul>	<p>Surcharge for conversion to handle HB 14-2</p>	<p><b>128</b></p>
	<p><b>Handle HB 38-2</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> <li>• Standard for styles THP 600, THP 700, THP 750, THP 800, THP 810, THP 820, THP 850 and THP 900</li> </ul>	<p>Surcharge for conversion to handle HB 38-2</p>	<p><b>128</b></p>
	<p><b>Handle HB 38-3</b></p> <ul style="list-style-type: none"> <li>• Brushed stainless steel</li> </ul>	<p>Surcharge for conversion to handle HB 38-3</p>	<p><b>128</b></p>

#### ES 0 fittings £

##### Including profile cylinder with 5 keys

##### Surcharges

	<p>Knob / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>128</b></p>
	<p>Lever handle / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>128</b></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 and THP 430.

	<p>Knob / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>206</b></p>
	<p>Lever handle / lever handle</p>	<p>Stainless steel</p>	<p>Each</p>	<p><b>206</b></p>

# Thermo65 Entrance Doors

## Entrance door programme

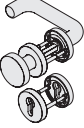
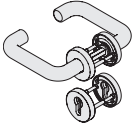
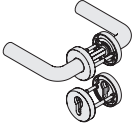
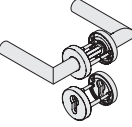
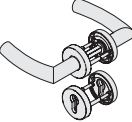
### Accessories



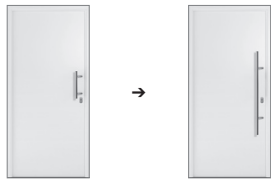
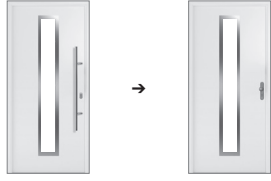
Rose escutcheons	Including profile cylinder with 5 keys	Surcharges	£
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**Note:**

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

	Knob / lever handle, type D-110	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-110	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-210	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-310	Stainless steel	Each	<b>128</b>
	Lever handle / lever handle, type D-510	Stainless steel	Each	<b>128</b>

Calculation example	£
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<p><b>Conversion THP 010 with HB 14-2 to HB 38-2</b></p>		<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="padding-left: 20px;">Style THP 010 in RAL 9016, profile A3 (standard size)</td> <td style="text-align: right;"><b>1526</b></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;"><b>128</b></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;"><b>1654</b></td> </tr> </tbody> </table>	Style THP 010 in RAL 9016, profile A3 (standard size)	<b>1526</b>	+ Conversion from handle HB 14-2 to handle HB 38-2	<b>128</b>	= Total	<b>1654</b>
Style THP 010 in RAL 9016, profile A3 (standard size)	<b>1526</b>							
+ Conversion from handle HB 14-2 to handle HB 38-2	<b>128</b>							
= Total	<b>1654</b>							
<p><b>Conversion THP 700 with HB 38-2 to Fitting ES 1</b></p>		<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="padding-left: 20px;">Style THP 700 in RAL 9016, profile A3 (standard size)</td> <td style="text-align: right;"><b>2394</b></td> </tr> <tr> <td style="padding-left: 20px;">+ Surcharge for ES 1 stainless steel knob / lever handle fitting</td> <td style="text-align: right;"><b>206</b></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;"><b>2600</b></td> </tr> </tbody> </table>	Style THP 700 in RAL 9016, profile A3 (standard size)	<b>2394</b>	+ Surcharge for ES 1 stainless steel knob / lever handle fitting	<b>206</b>	= Total	<b>2600</b>
Style THP 700 in RAL 9016, profile A3 (standard size)	<b>2394</b>							
+ Surcharge for ES 1 stainless steel knob / lever handle fitting	<b>206</b>							
= Total	<b>2600</b>							

# Thermo65 Entrance Doors

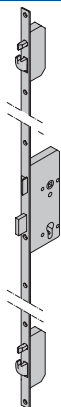
## Entrance door programme

### 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

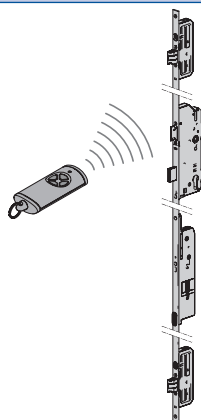
64

##### Note:

- Not possible in combination with electric strike.

#### Entrance door automation with BiSecur

£



##### Multiple-point locking with opening via a hand transmitter

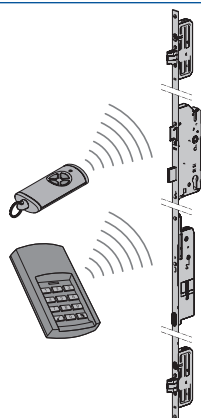
- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door

938

##### Note:

- Not possible in combination with electric strike.



// NEW



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

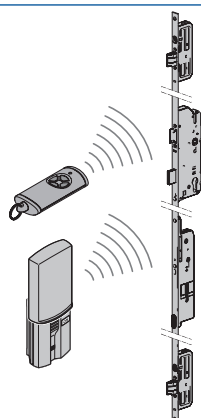
- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS and 1 radio code switch FCT 3 BS
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door

1042

##### 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 (Up to 12 fingerprints can be taught in, cannot be individually deleted)
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door

1163

##### Note:

- Not possible in combination with electric strike.

# Thermo65 Entrance Doors

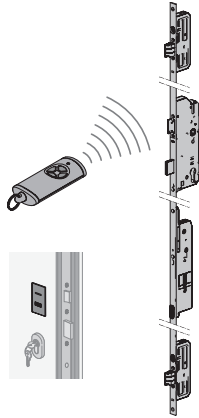
## Entrance door programme

### Accessories



#### Entrance door automation with BiSecur

£



// NEW

BiSecur

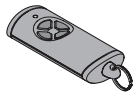
#### Multiple-point locking with opening via an integrated finger-scan and hand transmitter

- Automatic lock with electric motor
- Including 1 hand transmitter HSE 4 BS and 1 finger-scan integrated into the door leaf (Up to 150 fingerprints can be taught in)
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door **1469**

#### Note:

- Not possible in combination with electric strike.



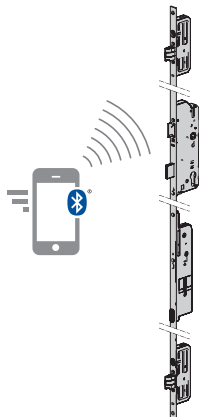
#### Additional 4-button hand transmitter HSE 4 BS

- In black
- Textured plastic surface with plastic caps

Each **57**

#### Entrance door automation with Bluetooth®

£



// NEW

Bluetooth

#### Multiple-point locking with opening via Bluetooth®

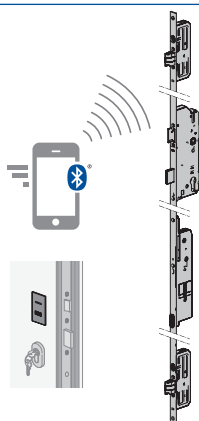
- Automatic lock with electric motor
- including Bluetooth® receiver
- For Thermo65 with handle HB 14-2 / HB 38-2 / HB 38-3
- For Thermo65 with lever / knob handle set ES 0 / ES 1

Per door **925**

The use requires a Smartphone or Tablet with Bluetooth® function and access to the App Store<sup>SM</sup> or Google Play<sup>TM</sup> (Hörmann BlueSecur App).  
A Smartphone or Tablet is not included in the scope of delivery!

#### Note:

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



// NEW

Bluetooth

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

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

Per door **1451**

The use requires a Smartphone or Tablet with Bluetooth® function and access to the App Store<sup>SM</sup> or Google Play<sup>TM</sup> (Hörmann BlueSecur App).  
A Smartphone or Tablet is not included in the scope of delivery!

#### Note:

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

# Thermo65 Entrance Doors

## Entrance door programme

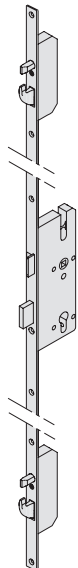
### Accessories



**Emergency exit lock acc. to EN 179** **Surcharges** £

**Note:**

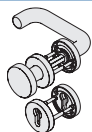
The rose escutcheons are only possible from a RAM width of 900 mm for styles THP 410 and THP 430.



**Multiple-point locking with anti-panic function E**

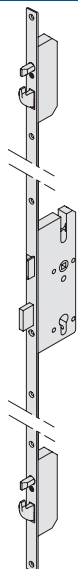
- Panic lock with stainless steel lock cover, distance 92 mm
- for the size range 1990–2250 mm

Each **162**



**Lever / knob handle set, rose escutcheon prepared for profile cylinder**

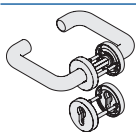
Black plastic	Each	<b>132</b>
Anodised aluminium (F1)	Each	<b>206</b>
Brushed stainless steel	Each	<b>266</b>



**Multiple-point locking with passage function D**

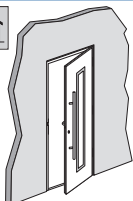
- Panic lock with stainless steel lock cover, distance 92 mm
- for the size range 1990–2250 mm

Each **222**



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

Black plastic	Each	<b>132</b>
Anodised aluminium (F1)	Each	<b>206</b>
Brushed stainless steel	Each	<b>266</b>



**Door set opening outwards**

Per door **75**

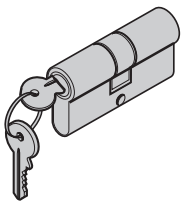


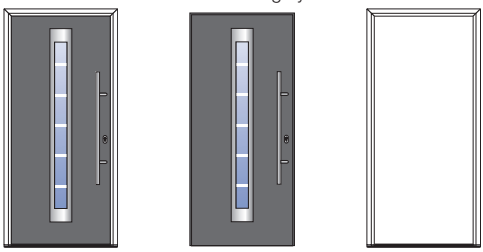
# Thermo65 Entrance Doors

## Entrance door programme

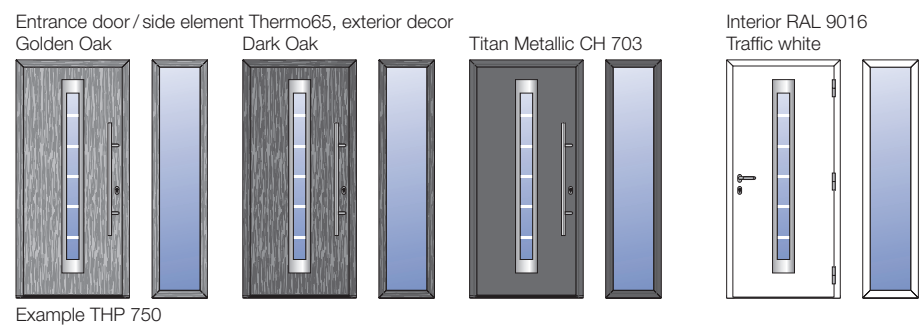
### Accessories



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 <b>50</b>
		With 10 keys	Each <b>59</b>
		Profile cylinder (45.5 + 45.5 mm) For ES 0 fittings	With 5 keys
		With 8 keys	Each <b>50</b>
		With 10 keys	Each <b>59</b>
	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 <b>79</b>
		With 8 keys	Each <b>105</b>
		With 10 keys	Each <b>122</b>
	Profile cylinder (45.5 + 45.5 mm) with drilling and pull-off protection and security card For ES 1 fittings	With 5 keys	Each <b>79</b>
		With 8 keys	Each <b>105</b>
		With 10 keys	Each <b>122</b>
	Profile cylinder (40.5 + 40.5 mm) For rose escutcheons	With 5 keys	Each <b>37</b>
		With 8 keys	Each <b>50</b>
		With 10 keys	Each <b>59</b>
	Profile cylinder, keys to pass, for push bar or ES 0 fittings	With 5 keys	Each <b>37</b>
<b>Note:</b>		With 8 keys	Each <b>50</b>
No keys to pass for the profile cylinder from the fitting pack!		With 10 keys	Each <b>59</b>
	Profile cylinder, keys to pass, with drilling and pull-off protection and security card for ES 1 fittings	With 5 keys	Each <b>79</b>
<b>Note:</b>		With 8 keys	Each <b>105</b>
No keys to pass for the profile cylinder from the fitting pack!		With 10 keys	Each <b>122</b>

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
	Anthracite grey	Traffic white	
	RAL 9016	Color	<b>Color</b>
	RAL 9016	Decor	<b>Decor</b>
	Color	RAL 9016	<b>Color</b>
	Decor	RAL 9016	<b>Decor</b>
	Decor	Color	<b>Decor</b>

Two-colour entrance doors, side elements or transom light		Surcharge	£
<ul style="list-style-type: none"> <li>Door leaf and frame/side element / transom light                             <ul style="list-style-type: none"> <li>Exterior in decors Golden Oak, Dark Oak or Titan Metallic CH 703</li> <li>Interior in Traffic white RAL 9016</li> </ul> </li> <li>for frame profile A3</li> <li>Opening inwards</li> <li>Not possible for styles THP 100, THP 410 and THP 430!</li> </ul>	Surcharge for version with decor surface	Per door	<b>107</b>
		Per side element	<b>57</b>
		Per transom light	<b>57</b>



Example THP 750

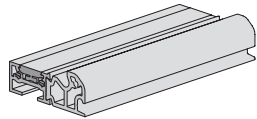
# Thermo65 Entrance Doors

Entrance door programme

## Accessories

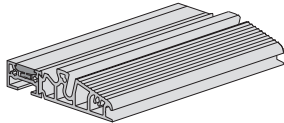


### Threshold / bottom door edge £



**Threshold S11**  
(Standard)

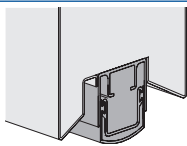
No surcharge



**Threshold S12**  
(optional)

Each **35**

**Note:**  
Only for aluminium frame profile A4.



**Retractable bottom seal**  
(Frame without threshold)

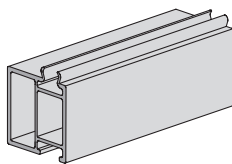
Each **283**

**Notes:**

- Not for styles 100, 410 and 430!
- Not possible in conjunction with RC 2!
- The thermal insulation ( $U_D$ ) and water-tightness under heavy rain performance characteristics are limited!

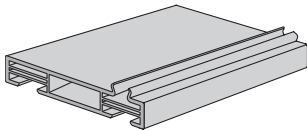
### Profiles £

**Bottom spacer profile**



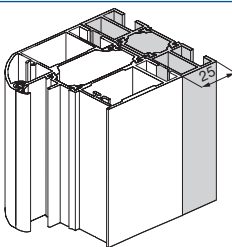
Length up to	Height	Each	£
up to 1250 mm	30 mm	Each	<b>26</b>
	60 mm	Each	<b>51</b>
	90 mm	Each	<b>76</b>
	120 mm	Each	<b>102</b>
	150 mm	Each	<b>127</b>
up to 2250 mm	30 mm	Each	<b>42</b>
	60 mm	Each	<b>84</b>
	90 mm	Each	<b>126</b>
	120 mm	Each	<b>168</b>
	150 mm	Each	<b>209</b>
up to 3250 mm	30 mm	Each	<b>61</b>
	60 mm	Each	<b>121</b>
	90 mm	Each	<b>182</b>
	120 mm	Each	<b>242</b>
	150 mm	Each	<b>303</b>

**Base frame profile**  
(black)



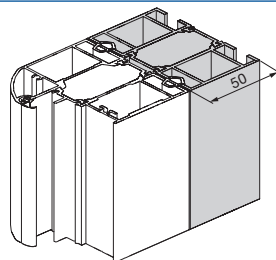
Length up to	Height	Each	£
up to 1250 mm	15 mm	Each	<b>26</b>
up to 2250 mm	15 mm	Each	<b>42</b>
up to 3250 mm	15 mm	Each	<b>61</b>

**Extension profile 25 mm**  
Dimensions (W × D): 25 × 80 mm



Material	Per m	£
RAL 9016	Per m	<b>59</b>
Color	Per m	<b>69</b>
Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per m	<b>72</b>

**Extension profile 50 mm**  
Dimensions (W × D): 50 × 80 mm



**// NEW**  
Available from 01.07.2019

Material	Per m	£
RAL 9016	Per m	<b>64</b>
Color	Per m	<b>74</b>
Golden Oak, Dark Oak, Night Oak, Winchester Oak, Titan Metallic CH 703	Per m	<b>77</b>

# Thermo65 Entrance Doors

## Entrance door programme

### Accessories



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

# Thermo65 Entrance Doors

## Entrance door programme

### Accessories



Accessories		£					
	<b>Spyhole (fitted)</b> (only for THP 010, THP 015, THP 100, THP 410 and THP 515)	Each <b>51</b>					
	<b>// NEW</b> <b>Spyhole, with thermal break (fitted)</b> (only for THP 010, THP 015, THP 100, THP 410 and THP 515)	Each <b>102</b>					
	<b>Rain canopy</b> Anodised aluminium	Each <b>24</b>					
	<b>Door drip</b>	RAL 9016 Traffic white Each <b>35</b>					
		Stainless steel look Each <b>52</b>					
	<b>Door drip</b>	Stainless steel Each <b>210</b>					
	<b>// NEW</b> <b>Stainless steel cleaner and care product</b> (150 ml)	Each <b>32</b>					
	<b>Stainless steel bottom sheet on the exterior (separate)</b>						
	<ul style="list-style-type: none"> <li>Bottom sheet height 110 mm</li> <li>Size range of heights for style</li> </ul> <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>100/410/430/015/515/600/700/750/800/810/850/900</td> <td>2050 – 2250 mm</td> </tr> </tbody> </table>	Style	Height (RAM)	010	1875 – 2250 mm	100/410/430/015/515/600/700/750/800/810/850/900	2050 – 2250 mm
Style	Height (RAM)						
010	1875 – 2250 mm						
100/410/430/015/515/600/700/750/800/810/850/900	2050 – 2250 mm						
	<b>Note:</b> Not in combination with embellishments in stainless steel look, view 451, 454, 457, 459, 750 and 751.						
	<b>// NEW</b> <b>Concealed through-bolt fixing (4 fitting holes for each side bar)</b> For aluminium frame profile A3 and A4	Each <b>75</b>					
Fitting material		£					
 (10x)	<b>Fitting set</b> 10 x screws and 10 x plugs	Per set <b>24</b>					
	<b>Screw-in anchor set</b> Length 280 mm (8 x anchors)	Per set <b>29</b>					
	<b>Pre-compressed sealing strip (74 mm wide)</b> <b>for groove widths from 6 – 15 mm</b> (approved for RAL fitting)	Per roll <b>115</b>					

# Thermo65 Entrance Doors

## Entrance door programme

### Accessories



#### Entrance door in RC 2 version (for a product description, see page 24) £

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

RC 2	THP 010	THP 015	THP 515								
				Package HB 14-2 with security rose escutcheon	Stainless steel	Per door	<b>132</b>				
				ES 1 fittings	Knob / lever handle	Stainless steel	Per door	<b>206</b>			
					Lever handle / lever handle	Stainless steel	Per door	<b>206</b>			
RC 2	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	<b>242</b>	
							Fittings ES 1 and safety glass (P4A)	Knob / lever handle	Stainless steel	Per door	<b>316</b>
								Lever handle / lever handle	Stainless steel	Per door	<b>316</b>

#### Approved size range for RC 2 version for each style

	THP 010	THP 700	THP 750	THP 800	THP 810	THP 850	THP 900	THP 015	THP 515
Width	832 – 1250							875 – 1250	
Height	1875 – 2250							1875 – 2250	

#### Side elements and transom lights in RC 2 £

RC 2		<b>Side elements</b> 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	<b>171</b>
			Satinato and safety glass (P4A)	Per side element	<b>171</b>
			Sand-blasted float and safety glass (P4A)	Per side element	<b>171</b>
			Sand-blasted float with clear stripes and safety glass (P4A)	Per side element	<b>171</b>
RC 2		<b>Transom lights</b> 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	<b>171</b>
			Satinato and safety glass (P4A)	Per transom light	<b>171</b>
			Sand-blasted float and safety glass (P4A)	Per transom light	<b>171</b>

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


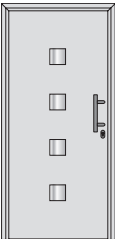




<p>Conversion THP 700 with HB 38-2 to Package HB 38-2 with security rose escutcheon</p> <span style="font-size: 2em; vertical-align: middle; margin: 0 10px;">→</span>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Style THP 700 in RAL 9016, profile A3 (standard size)</td> <td style="text-align: right; padding: 2px;"><b>2394</b></td> </tr> <tr> <td style="padding: 2px;">+ Conversion for package HB 38-2 with security rose escutcheon</td> <td style="text-align: right; padding: 2px;"><b>242</b></td> </tr> <tr> <td style="padding: 2px;"><b>= Total</b></td> <td style="text-align: right; padding: 2px;"><b>2636</b></td> </tr> </table>	Style THP 700 in RAL 9016, profile A3 (standard size)	<b>2394</b>	+ Conversion for package HB 38-2 with security rose escutcheon	<b>242</b>	<b>= Total</b>	<b>2636</b>
Style THP 700 in RAL 9016, profile A3 (standard size)	<b>2394</b>						
+ Conversion for package HB 38-2 with security rose escutcheon	<b>242</b>						
<b>= Total</b>	<b>2636</b>						

# Thermo65 Entrance Doors

Entrance door programme

## Accessories



Embellishments in stainless steel look for style THP 010 (on the exterior)			Surcharge	£
	<b>View 451</b>	<b>Stainless steel frames</b> Overall dimension 240 x 240 mm Inside dimension 160 x 160 mm	<b>Style THP 010</b> Per door	<b>243</b>
	<b>View 454</b>	<b>Stainless steel frames</b> Overall dimension 145 x 145 mm	<b>Style THP 010</b> Per door	<b>243</b>
	<b>View 457</b>	<b>Curved stainless steel frames</b>	<b>Style THP 010</b> Per door	<b>243</b>
	<b>View 459</b>	<b>Stainless steel rings</b> Overall dimension Ø240 mm Inside dimension Ø160 mm	<b>Style THP 010</b> Per door	<b>243</b>
	<b>View 750</b>	<b>Stainless steel frame over entire leaf height</b>	<b>Style THP 010</b> Per door	<b>243</b>
	<b>View 751</b>	<b>3 parallel stainless steel strips over the entire leaf height</b>	<b>Style THP 010</b> Per door	<b>243</b>


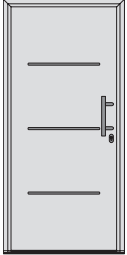

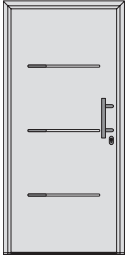

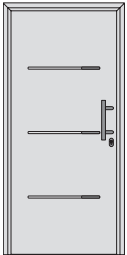

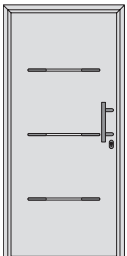
# Thermo65 Entrance Doors

Entrance door programme

## Accessories



**Embellishments in stainless steel look (on the exterior)** £

		<p><b>Embellishment in stainless steel look view 400</b> Inlay length 577 mm per rib</p>	<p><b>Style THP 015</b> Per door <b>189</b></p>
<p>THP 015</p>	<p>THP 515</p>	<p><b>Style THP 515</b> Per door <b>126</b></p>	
		<p><b>Embellishment in stainless steel look view 401</b> Inlay length 118 mm per rib</p>	<p><b>Style THP 015</b> Per door <b>189</b></p>
<p>THP 015</p>	<p>THP 515</p>	<p><b>Style THP 515</b> Per door <b>126</b></p>	
		<p><b>Embellishment in stainless steel look view 402</b> Inlay length 118 mm per rib</p>	<p><b>Style THP 015</b> Per door <b>189</b></p>
<p>THP 015</p>	<p>THP 515</p>	<p><b>Style THP 515</b> Per door <b>126</b></p>	
		<p><b>Embellishment in stainless steel look view 403</b> Inlay length 2 × 118 mm per rib</p>	<p><b>Style THP 015</b> Per door <b>189</b></p>
<p>THP 015</p>	<p>THP 515</p>	<p><b>Style THP 515</b> Per door <b>126</b></p>	

# Thermo65 Entrance Doors

## Entrance door programme

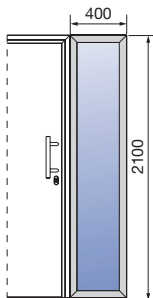
### Side elements and transom lights



#### Side element

##### Fixed side element assembly

###### Standard size

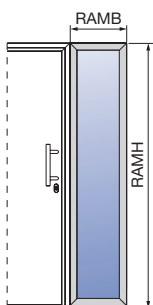


Ordering sizes RAM (mm) Width x height	Glass	RAL 9016	Color	Decor
400 x 2100	Clear glass	964	1087	1127
	Satinato	964	1087	1127
	Sand-blasted float	964	1087	1127
	Sand-blasted float with clear stripes	1485	1608	1647

#### Side element

##### Fixed side element assembly

###### Special sizes

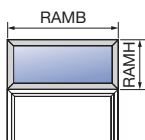


Ordering sizes RAM up to (mm) Width x height	Glass	RAL 9016	Color	Decor
From 300 x 700 to 500 x 2250 to 1000 x 2250 *	Clear glass, Satinato or sand- blasted float according to overview on page 47	1150	1273	1312
		1333	1456	1496
From 300 x 1875 to 500 x 2250 to 1000 x 2250 *	Sand-blasted float with clear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

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

#### Transom light

##### Fixed transom light assembly



Ordering sizes RAM (mm) Width 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	774	897	937
		933	1056	1096
		1149	1272	1311

RAMB = Overall frame width

RAMH = Overall frame height



# Thermo65 Entrance Doors


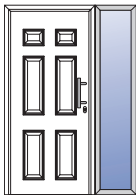


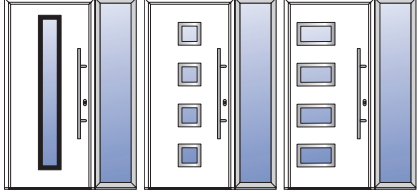
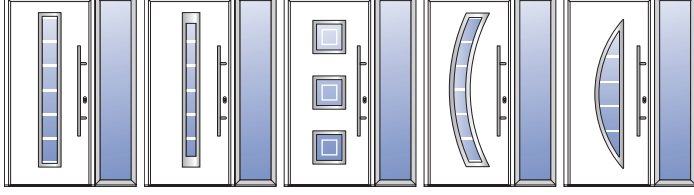
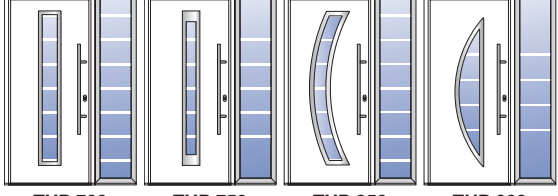
## Entrance door programme

### 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"> <li>Sand-blasted float without clear stripes</li> <li>Satinato</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 100</p>	<ol style="list-style-type: none"> <li>Sand-blasted float without clear stripes</li> <li>Satinato</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2186 mm</p>	<p><b>Width</b> 875 – 2000 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 410</p>	<ol style="list-style-type: none"> <li>Satinato</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2186 mm</p>	<p><b>Width</b> 875 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 430</p>	<ol style="list-style-type: none"> <li>Sand-blasted float without clear stripes</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2186 mm</p>	<p><b>Width</b> 875 – 2000 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 600    THP 800    THP 820</p>	<ol style="list-style-type: none"> <li>Satinato</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 700    THP 750    THP 810    THP 850    THP 900</p>	<ol style="list-style-type: none"> <li>Sand-blasted float without clear stripes</li> <li>Float, clear</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 700 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>
 <p>THP 700    THP 750    THP 850    THP 900</p>	<ol style="list-style-type: none"> <li>Sand-blasted float with clear stripes (only in side element)</li> </ol>	<p><b>Width</b> 300 – 1000 mm</p> <p><b>Height</b> 1875 – 2250 mm</p>	<p><b>Width</b> 700 – 2250 mm</p> <p><b>Height</b> 300 – 500 mm</p>



## Door operator SmartKey

# Automatically more sales in the retrofitting sector

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



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

# HÖRMANN

# Steel Security Doors RC 2

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

Standard/special sizes



With thermal break!

## Product description

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

### Attack side = closing side (opposite hinge side)

#### Door leaf

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

#### Frame

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

#### Surface finish

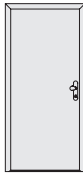
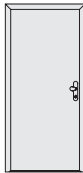
- Standard: Painted in Traffic white on both sides, based on RAL 9016, silk matt, gloss level 35 – 40 %
- Color: 17 preferred colours, painted on both sides, based on the RAL colour chart, silk matt, gloss level 35 – 40 %

#### Fittings

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

#### Hinges

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

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

Preferred colour (Color)*	Surcharge £
Door leaf and frame in preferred colour (Color)	<b>116</b>
<ul style="list-style-type: none"> <li>• RAL 1015 Light ivory</li> <li>• RAL 3000 Flame red</li> <li>• RAL 3003 Ruby red</li> <li>• RAL 3004 Purple red</li> <li>• RAL 5010 Gentian blue</li> <li>• RAL 5014 Pigeon blue</li> <li>• RAL 6005 Moss green</li> <li>• RAL 7016 Anthracite grey</li> <li>• RAL 7035 Light grey</li> <li>• RAL 7040 Window grey</li> <li>• RAL 8003 Clay brown</li> <li>• RAL 8028 Terra brown</li> <li>• RAL 9001 Cream</li> <li>• RAL 9002 Grey white</li> <li>• RAL 9006 White aluminium</li> <li>• RAL 9007 Grey aluminium</li> <li>• CH 703 Anthracite metallic</li> </ul>	

Decor *	Surcharge £
Door leaf and frame in decor	<b>232</b>
<ul style="list-style-type: none"> <li>• Golden Oak</li> <li>• Dark Oak</li> <li>• Night Oak</li> <li>• Winchester Oak</li> <li>• Titan Metallic CH 703</li> </ul>	

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

# MZ Thermo46 Thick Rebate – Steel

Sheet thickness 0.6 – 0.8 mm

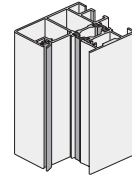
## Standard sizes / special sizes

### Product description

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

### 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	CH 703	Anthracite Metallic
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
	<b>Style TPS 011</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	<b>793</b>	<b>908</b>	<b>1025</b>
		875 × 2125			
		1000 × 2000	<b>847</b>	<b>962</b>	<b>1078</b>
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
From 700 × 1750	<b>1205</b>	<b>1320</b>	<b>1437</b>		
Up to 1250 × 2250					
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.1 W/(m <sup>2</sup> ·K)					
	<b>Style TPS 021S</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• Double-pane insulated glazing, 28 mm thick, exterior laminated safety glass, interior Satinato single-pane safety glass</li> <li>• Plastic glazing frame in door leaf colour <sup>1)</sup></li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	<b>1034</b>	<b>1417</b>	<b>1534</b>
		875 × 2125			
		1000 × 2000	<b>1088</b>	<b>1471</b>	<b>1588</b>
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
From 700 × 1875	<b>1446</b>	<b>1829</b>	<b>1946</b>		
Up to 1250 × 2250					
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.4 W/(m <sup>2</sup> ·K)					
	<b>Style TPS 051S</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• Double-pane insulated glazing, 28 mm thick, exterior laminated safety glass, interior Satinato single-pane safety glass</li> <li>• Plastic glazing frame in door leaf colour <sup>1)</sup></li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	<b>1034</b>	<b>1417</b>	<b>1534</b>
		875 × 2125			
		1000 × 2000	<b>1088</b>	<b>1471</b>	<b>1588</b>
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
From 875 × 1875	<b>1446</b>	<b>1829</b>	<b>1946</b>		
Up to 1250 × 2250					
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.6 W/(m <sup>2</sup> ·K)					
	<b>Style TPS 051F</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• Double-pane insulated glazing, 28 mm thick, exterior laminated safety glass, interior clear single-pane safety glass</li> <li>• Plastic glazing frame in door leaf colour <sup>1)</sup></li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	<b>1034</b>	<b>1417</b>	<b>1534</b>
		875 × 2125			
		1000 × 2000	<b>1088</b>	<b>1471</b>	<b>1588</b>
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
From 875 × 1875	<b>1446</b>	<b>1829</b>	<b>1946</b>		
Up to 1250 × 2250					
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.6 W/(m <sup>2</sup> ·K)					

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

See from page 52

Optional extras

See from page 52

# MZ Thermo65 Thick Rebate – Steel

Sheet thickness 0.6 – 0.8 mm

High thermal insulation of up to 0.87 W/(m<sup>2</sup>·K)

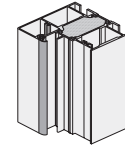
## Standard sizes / special sizes

### Product description

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

### Color\*


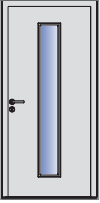

RAL 1015	Light ivory	RAL 6005	Moss green	RAL 9001	Cream
RAL 3000	Flame red	RAL 7016	Anthracite grey	RAL 9002	Grey white
RAL 3003	Ruby red	RAL 7035	Light grey	RAL 9006	White aluminium
RAL 3004	Purple red	RAL 7040	Window grey	RAL 9007	Grey aluminium
RAL 5010	Gentian blue	RAL 8003	Clay brown	CH 703	Anthracite Metallic
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
	<b>Style THP 011</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	1241	1356	1509
		875 × 2125			
		1000 × 2000	1295	1410	1563
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
	From 700 × 1750	1653	1768	1921	
	Up to 1250 × 2250				
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 0.87 W/(m <sup>2</sup> ·K)					
	<b>Style THP 021S – //NEW from 01.07.2019</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• 3 panes of insulated glass, exterior laminated safety glass, float Satinato, interior laminated safety glass</li> <li>• Plastic glazing frame</li> <li>• Lever handle set (lever handle / handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	1664	2156 <sup>2)</sup>	-
		875 × 2125			
		1000 × 2000	1718	2210 <sup>2)</sup>	-
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
	From 700 × 1875	2076	2568 <sup>2)</sup>	-	
	Up to 1250 × 2250				
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.0 W/(m <sup>2</sup> ·K)					
	<b>Style THP 051S</b> <ul style="list-style-type: none"> <li>• 3 two-part guide rollers (180 mm), three-way adjustable with cover caps (aluminium / stainless steel look)</li> <li>• 3 panes of insulated glass, exterior laminated safety glass, float Satinato, interior laminated safety glass</li> <li>• Plastic glazing frame</li> <li>• Lever handle set (lever handle / lever handle) made of plastic, black, rose escutcheon</li> </ul>	875 × 2000	1664	2156 <sup>2)</sup>	-
		875 × 2125			
		1000 × 2000	1718	2210 <sup>2)</sup>	-
		1000 × 2100			
		1000 × 2125			
1100 × 2100					
	From 875 × 1875	2076	2568 <sup>2)</sup>	-	
	Up to 1250 × 2250				
▶ U <sub>D</sub> -value for size 1230 × 2180 mm: 1.0 W/(m <sup>2</sup> ·K)					

### Optional extras

See from page 52

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

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

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

2) From 01.07.2019

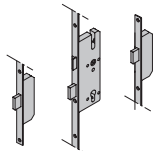

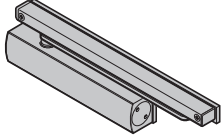
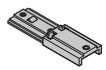
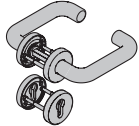
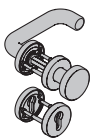
# Optional Extras

MZ Thermo46, MZ Thermo65

## Accessories

With thermal break



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

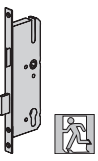
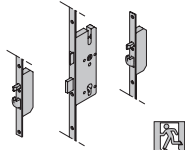
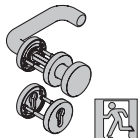
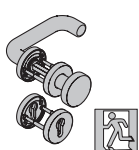
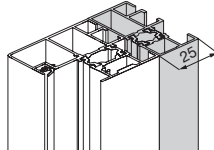
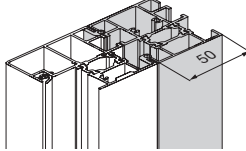
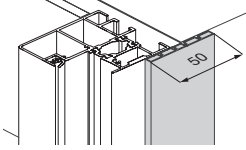
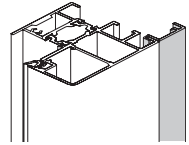
# Optional Extras

MZ Thermo46, MZ Thermo65

## Accessories

With thermal break



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

# Optional Extras

MZ Thermo46, MZ Thermo65

## Accessories

With thermal break

MZ



		MZ Thermo46	MZ Thermo65									
<b>Accessories</b>												
	Retractable bottom seal (frame without threshold)	283	283									
	Latch switching contact	-	102									
	Reed contact (separate) Door leaf and frame prepared	102	102									
	Spyhole (style 011)	51	51									
	Spyhole, with thermal break, fitted (style 011)	102	102									
	Electric strike with day catch (separate)	82	82									
	Stainless steel bottom sheet on the exterior (separate), height 110 mm <ul style="list-style-type: none"> <li>Height size range for style</li> </ul> <table border="1"> <thead> <tr> <th>Style</th> <th>Height (RAM)</th> </tr> </thead> <tbody> <tr> <td>011</td> <td></td> </tr> <tr> <td>021</td> <td></td> </tr> <tr> <td>051</td> <td>1875 – 2250 mm</td> </tr> </tbody> </table>	Style	Height (RAM)	011		021		051	1875 – 2250 mm	Each	180	180
Style	Height (RAM)											
011												
021												
051	1875 – 2250 mm											
	Screw-in anchor set, length 280 mm (8 x anchors)	Per set	29	29								
	Fitting set (10 x screws and 10 x plugs)	Per set	24	24								
	Door drip (For doors opening inwards)	RAL 9016	Each	35	35							
		Stainless steel look	Each	52	52							



# Optional Extras

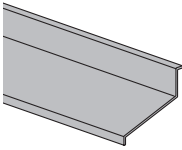
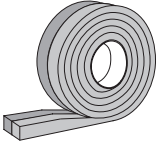
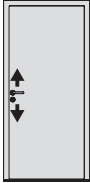
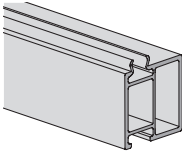
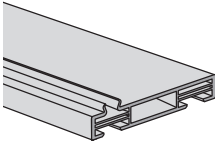
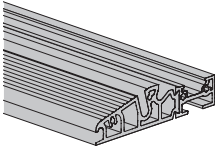
MZ Thermo46, MZ Thermo65

## Accessories

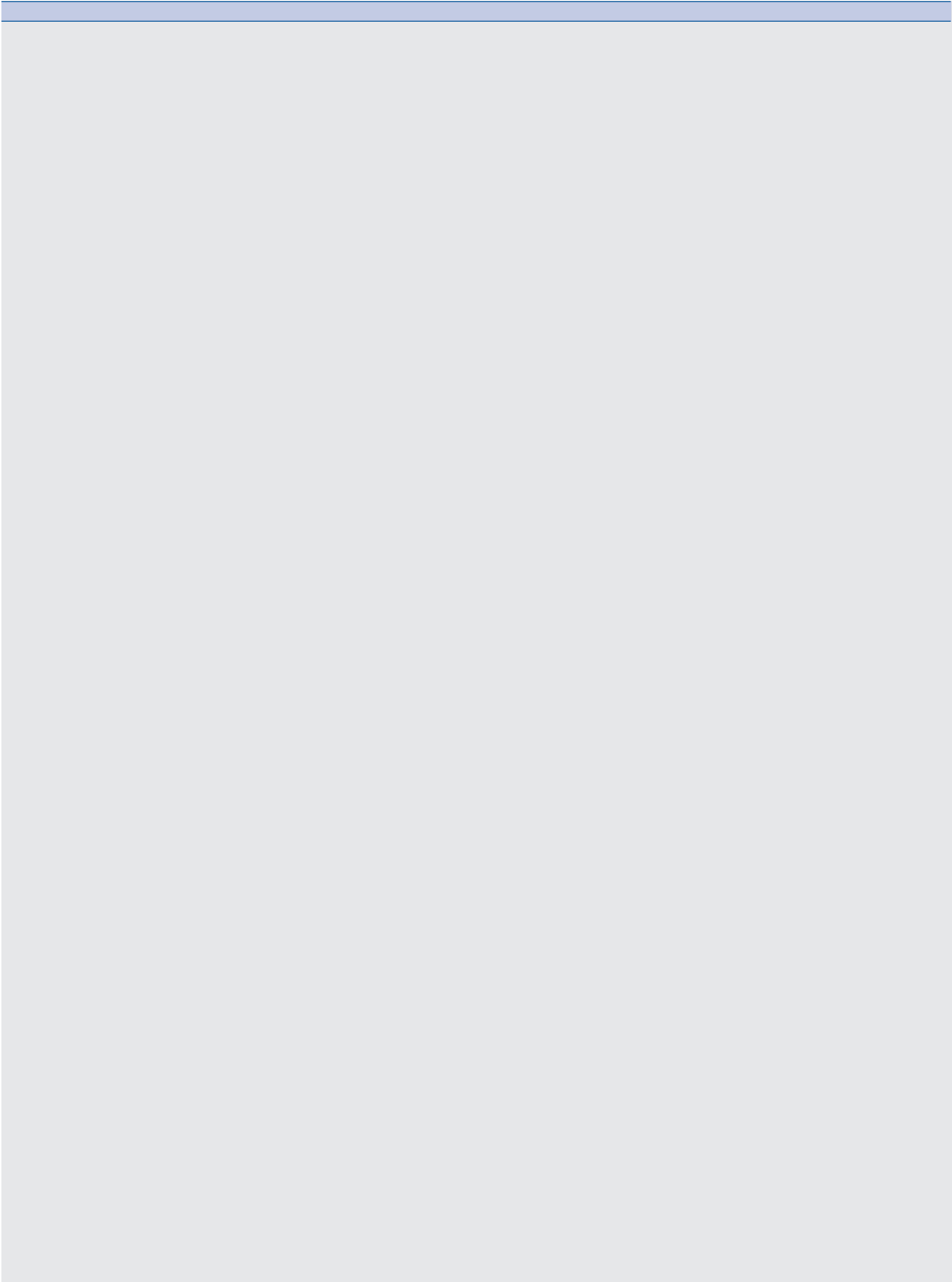
With thermal break

MZ

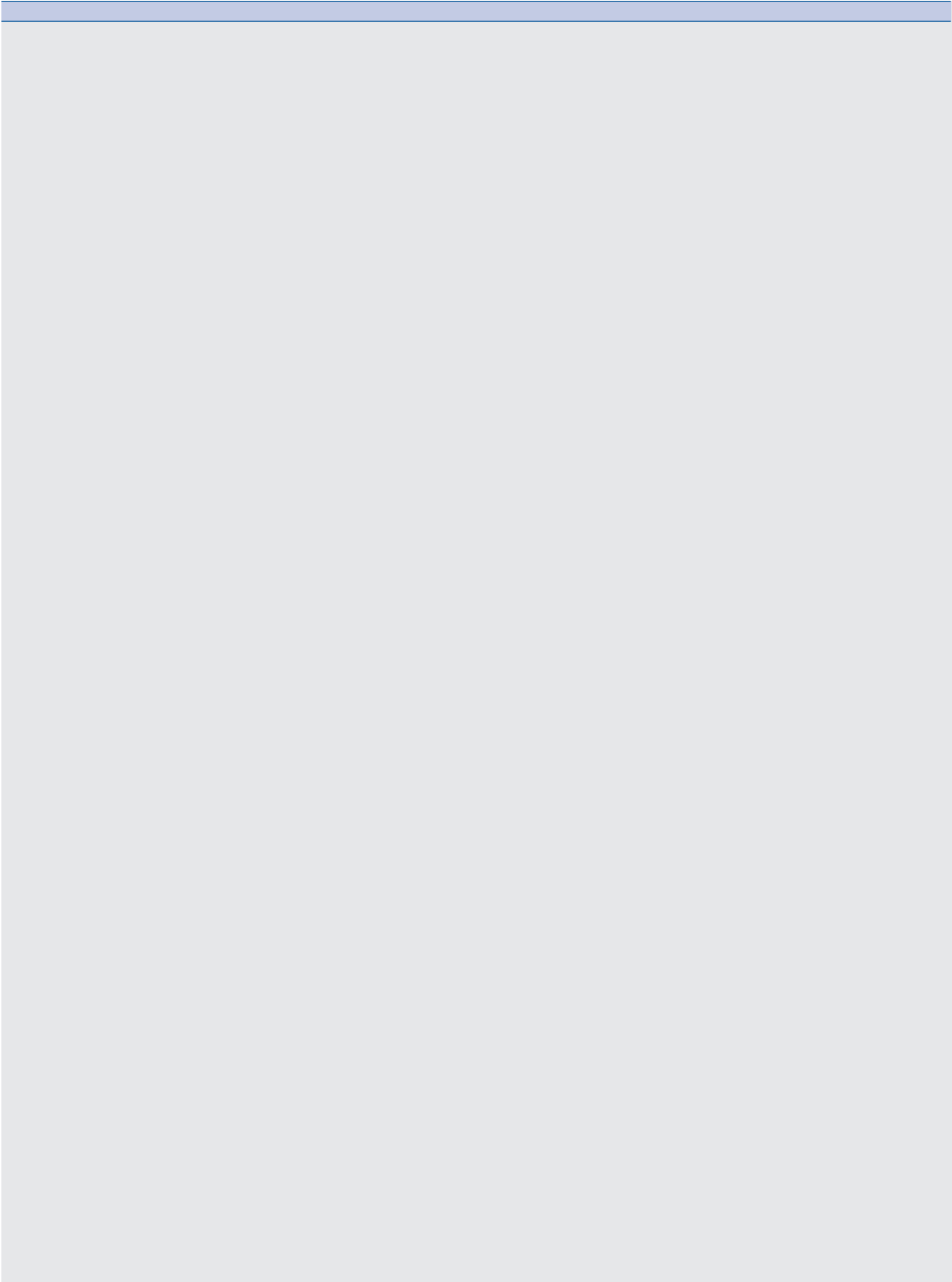


				MZ Thermo46	MZ Thermo65
	Rain canopy	Anodised aluminium		24	24
	Pre-compressed sealing strip (56 mm wide) for groove widths from 6 – 15 mm		Per roll	88	-
	Pre-compressed sealing strip (width 74 mm) for joint width 6 – 15 mm		Per roll	-	115
	Offset lever height from 775 mm to 1275 mm from FFL (only possible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

# Notes and Sketches



# Notes and Sketches



# Hörmann: Quality without Compromise



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