

Your specialist for translucent building elements



MWS

## Product range

**Multi Wall Sheets made of polycarbonate**

## Product range

**RODECA** multi wall sheets, made of high-quality polycarbonate are available in different thicknesses and widths. They can be produced in flexible widths and with closed edges according to customer requirements. Our multi wall sheets are produced with a coextruded UV protective layer on the outside. We grant a 10-year warranty against aging and yellowing in accordance with our written guarantee.

Thickness [mm]	MWS	U <sub>p</sub> -value [W/m <sup>2</sup> K] horizontal/vertical	Weight [kg/m <sup>2</sup> ]	Variable widths [mm]	Standard widths [mm]
<b>4</b>	4-2	3.9 / 4.4 W/m <sup>2</sup> K	approx. 0.83 kg/m <sup>2</sup>	500 mm - 1050 mm **	2100 mm
	4,5-2	3.8 / 4.3 W/m <sup>2</sup> K	approx. 1.0 kg/m <sup>2</sup>	500 mm - 1050 mm **	
<b>6</b>	6-2	3.5 / 3.9 W/m <sup>2</sup> K	approx. 1.3 kg/m <sup>2</sup>	550 mm - 1250 mm **	2100 mm
	6(10)-2	3.5 / 3.9 W/m <sup>2</sup> K	approx. 1.3 kg/m <sup>2</sup>	550 mm - 1250 mm **	1202 mm
<b>8</b>	8-2	3.2 / 3.5 W/m <sup>2</sup> K	approx. 1.5 kg/m <sup>2</sup>	550 mm - 1250 mm **	2100 mm
<b>10</b>	10-2	3.0 / 3.2 W/m <sup>2</sup> K	approx. 1.7 kg/m <sup>2</sup>	550 mm - 1250 mm **	2100 mm
	10-4	2.5 / 2.7 W/m <sup>2</sup> K	approx. 1.75 kg/m <sup>2</sup>		2100 mm
	10-5	2.5 / 2.7 W/m <sup>2</sup> K	approx. 1.9 kg/m <sup>2</sup>	550 mm - 1030 mm **	
<b>12</b>	12-5	2.3 / 2.5 W/m <sup>2</sup> K	approx. 2.1 kg/m <sup>2</sup>	550 mm - 1030 mm **	
<b>16</b>	16-2	2.6 / 2.9 W/m <sup>2</sup> K	approx. 2.0 kg/m <sup>2</sup>	630 mm - 1250 mm **	980 mm / 1200 mm
	16-5	2.0 / 2.1 W/m <sup>2</sup> K	approx. 2.8 kg/m <sup>2</sup>	630 mm - 1250 mm **	
	16-5 DS	2.0 / 2.1 W/m <sup>2</sup> K	approx. 2.8 kg/m <sup>2</sup>		980 mm **
	16-7	1.8 / 1.9 W/m <sup>2</sup> K	approx. 2.6 kg/m <sup>2</sup>	700 mm - 1230 mm **	980 mm / 1200 mm / 2100 mm
	16-N	2.4 / 2.6 W/m <sup>2</sup> K	approx. 2.8 kg/m <sup>2</sup>	980 mm - 1260 mm **	980 mm **
<b>20</b>	20-2	2.5 / 2.8 W/m <sup>2</sup> K	approx. 2.8 kg/m <sup>2</sup>	630 mm - 1250 mm **	
	20-7	1.5 / 1.6 W/m <sup>2</sup> K	approx. 2.9 kg/m <sup>2</sup>	700 mm - 1230 mm **	2100 mm
<b>25</b>	25-7	1.4 / 1.5 W/m <sup>2</sup> K	approx. 3.2 kg/m <sup>2</sup>	700 mm - 1230 mm **	980 mm / 1200 mm
<b>32</b>	32-10	1.2 / 1.2 W/m <sup>2</sup> K	approx. 3.6 kg/m <sup>2</sup>	700 mm - 1230 mm **	1230 mm
	32-10 DS	1.2 / 1.2 W/m <sup>2</sup> K	approx. 3.6 kg/m <sup>2</sup>		1230 mm **
<b>40</b>	40-10	1.0 / 1.1 W/m <sup>2</sup> K	approx. 4.0 kg/m <sup>2</sup>	700 mm - 1230 mm **	980 mm

### Advantages

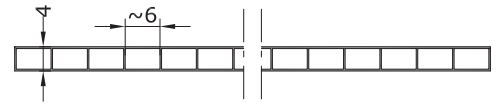
- Polycarbonate is a crystal clear, high impact thermoplastic
- Temperature resistance from von -40 to +115°C, temporarily up to 130°C
- Impact resistance virtually unchanged within these temperatures
- Good long term performance through UV protection
- 10 years warranty against yellowing - ageing - hail stone
- Translucent with excellent thermal properties

### Versions

- Heatbloc-Design (depending on product type) wether DecoColor or DuoColor version
- Frozen-Design version DecoColor, with fibre glass structure on the outer layer of mws 16-2
- High Impact Version 16-5 HI improved protection against hailstorm
- Closed edges for all widths according to customers demand (minimum quantities required)

\*\*minimum quantities required

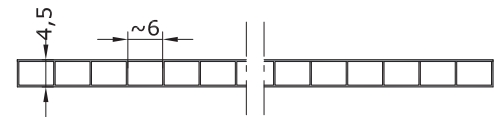
4



**MWS 4-2**

Building widths	500 mm - 1050 mm** / 2100 mm large size
Thickness	4 mm
Weight	approx. 830 g/m <sup>2</sup>
U <sub>p</sub> -value	3.9 W/m <sup>2</sup> K vertical / 4.4 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 84%*
Versions	clear / opal / Color (on request**)

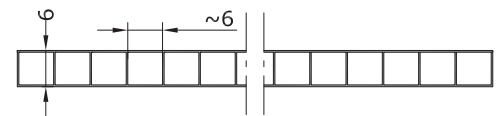
4



**MWS 4.5-2**

Building widths	500 mm - 1050 mm**
Thickness	4.5 mm
Weight	approx. 1000 g/m <sup>2</sup>
U <sub>p</sub> -value	3.8 W/m <sup>2</sup> K vertical / 4.3 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 84%*
Versions	clear / opal / Color (on request**)

6

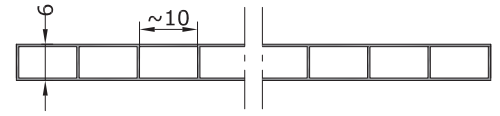


**MWS 6-2**

Building widths	550 mm - 1250 mm** / 2100 mm large size
Thickness	6 mm
Weight	approx. 1300 g/m <sup>2</sup>
U <sub>p</sub> -value	3.5 W/m <sup>2</sup> K vertical / 3.9 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 81%*
Versions	clear / opal / Color (on request**)

\*in-house measurements  
\*\*minimum quantities required

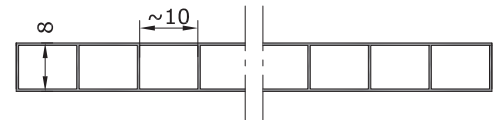
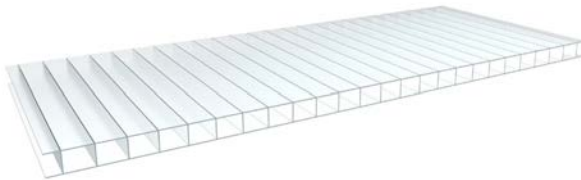
6



**MWS 6(10)-2**

Building widths	standard width 1202 mm / variable widths 550-1250 mm**
Thickness	6 mm
Weight	approx. 1300 g/m <sup>2</sup>
U <sub>p</sub> -value	3.5 W/m <sup>2</sup> K vertical / 3.9 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 81%*
Versions	clear / opal / Color (on request**)

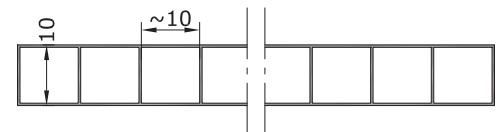
8



**MWS 8-2**

Building widths	550 mm - 1250 mm** / large size 2100 mm
Thickness	8 mm
Weight	approx. 1500 g/m <sup>2</sup>
U <sub>p</sub> -value	3.2 W/m <sup>2</sup> K vertical / 3.5 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 82%*
Versions	clear / opal / Color (on request**)

10

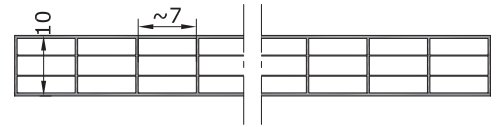


**MWS 10-2**

Building widths	550 mm - 1250 mm** / large size 2100 mm
Thickness	10 mm
Weight	approx. 1700 g/m <sup>2</sup>
U <sub>p</sub> -value	3.0 W/m <sup>2</sup> K vertical / 3.2 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 82%*
Versions	clear / opal / Color (on request**)

\*in-house measurements  
\*\*minimum quantities required

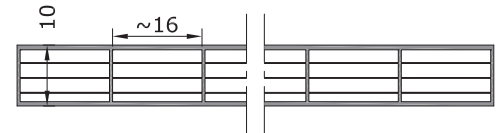
10



**MWS 10-4**

Building widths	2100 mm	
Thickness	10 mm	
Weight	approx. 1750 g/m <sup>2</sup>	
U <sub>p</sub> -value	2.5 W/m <sup>2</sup> K vertical / 2.7 W/m <sup>2</sup> K horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Light transmission	clear	approx. 73%*
	opal 012	approx. 57%*
Versions	clear / opal	

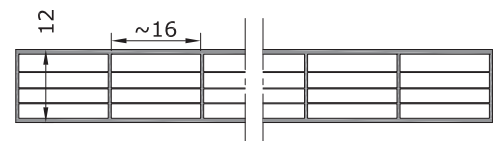
10



**MWS 10-5**

Building widths	550 mm - 1030 mm**	
Thickness	10 mm	
Weight	approx. 1900 g/m <sup>2</sup>	
U <sub>p</sub> -value	2.5 W/m <sup>2</sup> K vertical / 2.7 W/m <sup>2</sup> K horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Versions	clear / opal / Color & DecoColor (on request**)	

12

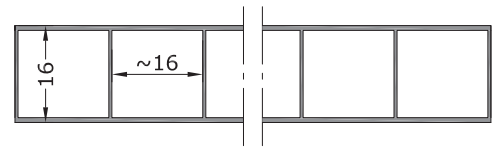


**MWS 12-5**

Building widths	550 mm - 1030 mm**	
Thickness	12 mm	
Weight	approx. 2100 g/m <sup>2</sup>	
U <sub>p</sub> -value	2.3 W/m <sup>2</sup> K vertical / 2.5 W/m <sup>2</sup> K horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Versions	clear / opal / Color & DecoColor (on request**)	

\*in-house measurements  
\*\*minimum quantities required

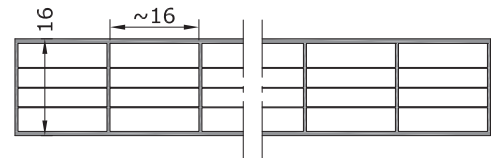
16



**MWS 16-2**

Building widths	standard widths 980 mm und 1200 mm variable width 630-1250 mm**
Thickness	16 mm
Weight	approx. 2000 g/m <sup>2</sup>
U <sub>p</sub> -value	2.6 W/m <sup>2</sup> K vertical / 2.9 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 81%* opal 012 approx. 43%* frozen (clear) approx. 80%*
Versions	clear / opal / Color (on request**)

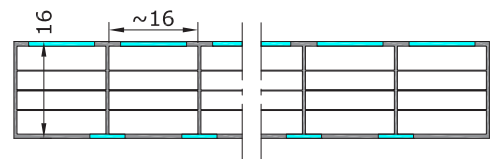
16



**MWS 16-5**

Building widths	630 mm - 1250 mm**
Thickness	16 mm
Weight	approx. 2800 g/m <sup>2</sup>
U <sub>p</sub> -value	2.0 W/m <sup>2</sup> K vertical / 2.1 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 66%* / opal 012 approx. 34%*
Versions	clear / opal / Color & DecoColor (auf Anfrage**)

16

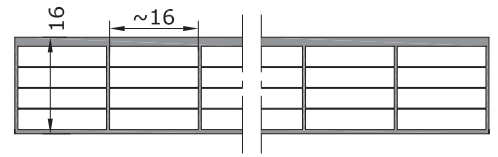


**MWS 16-5 DecoStripe**

Building widths	980 mm**
Thickness	16 mm
Weight	approx. 2800 g/m <sup>2</sup>
U <sub>p</sub> -value	2.0 W/m <sup>2</sup> K vertical / 2.1 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear - stripes opaque white approx. 38%* clear - stripes matt black approx. 18%*
Versions	clear - stripes opaque white or stripes matt black other combinations on request**

\*in-house measurements  
\*\*minimum quantities required

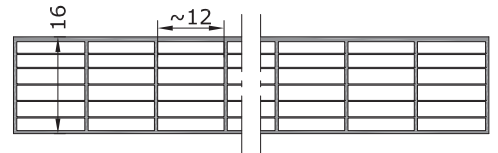
16



**MWS 16-5 HI**

Building widths	980 mm und 1200 mm**
Thickness	16 mm
Weight	approx. 4000 g/m <sup>2</sup>
U <sub>p</sub> -value	2.0 W/m <sup>2</sup> K vertical / 2.1 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 66%* / opal 012 approx. 34%*
Hail resistance	light transmission and water tightness HW5
Versions	clear / opal / Color (on request)**

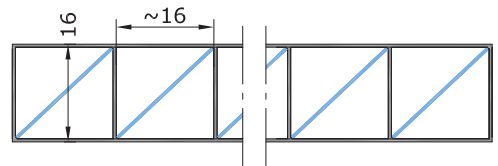
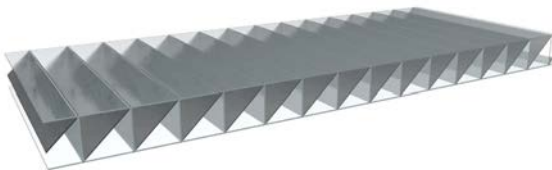
16



**MWS 16-7**

Building widths	standard widths 980 mm and 1200 mm variable widths 700 mm - 1230 mm** large size 2100 mm
Thickness	16 mm
Weight	approx. 2600 g/m <sup>2</sup>
U <sub>p</sub> -value	1.8 W/m <sup>2</sup> K vertical / 1.9 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 60%* / opal 012 approx. 35%*
Versions	clear / opal / Color & DecoColor (on request**)

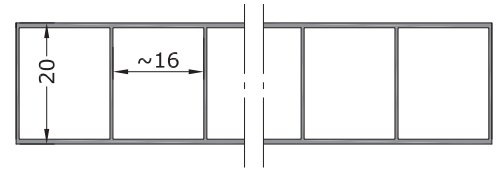
16



**MWS 16-N**

Building widths	980 mm - 1260 mm**
Thickness	16 mm
Weight	approx. 2800 g/m <sup>2</sup>
U <sub>p</sub> -value	2.4 W/m <sup>2</sup> K vertical / 2.6 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	examples <ul style="list-style-type: none"> <li>- outest layers and vertical ribs clear / diagonal opaque white light incidence 90° approx. 45%*, 45° approx. 29%*, 135° approx. 55%*</li> <li>- outest layers and vertical ribs clear / diagonal titan grey light incidence 90° approx. 18%*, 45° approx. 6%*, 135° approx. 33%*</li> <li>- outest layers and vertical ribs clear / diagonal Heatbloc L light incidence 90° approx. 15%*, 45° approx. 4%*, 135° approx. 31%*</li> </ul>
Versions	Color & TriColor (on request**)

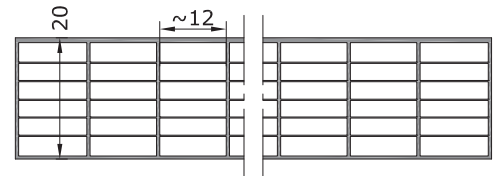
20



**MWS 20-2**

Building widths	variable widths 630 mm - 1250 mm**
Thickness	20 mm
Weight	approx. 2800 g/m <sup>2</sup>
U <sub>p</sub> -value	2.5 W/m <sup>2</sup> K vertical / 2.8 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 80%*
Versions	clear / opal / Color (on request**)

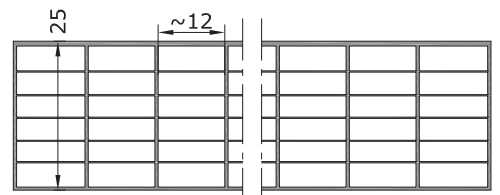
20



**MWS 20-7**

Building widths	variable widths 700 mm - 1230 mm** large size 2100 mm
Thickness	20 mm
Weight	approx. 2900 g/m <sup>2</sup>
U <sub>p</sub> -value	1.5 W/m <sup>2</sup> K vertical / 1,6 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 60%* / opal 012 approx. 33%*
Versions	clear / opal / Color & DecoColor (on request**)

25



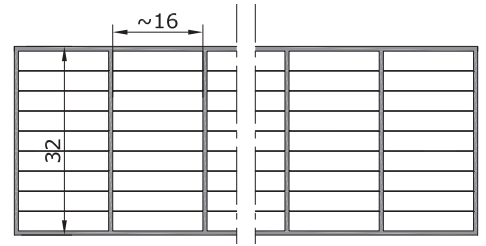
**MWS 25-7**

Building widths	standard widths 980 mm - 1200 mm variable width 700 mm - 1230 mm**
Thickness	25 mm
Weight	approx. 3200 g/m <sup>2</sup>
U <sub>p</sub> -value	1.4 W/m <sup>2</sup> K vertical / 1.5 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	clear approx. 60%* / opal 012 approx. 32%*
Versions	clear / opal / Color & DecoColor (on request**)

\*in-house measurements  
\*\*minimum quantities required



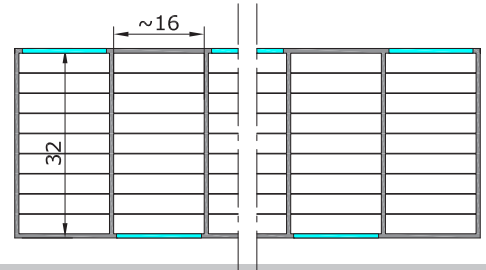
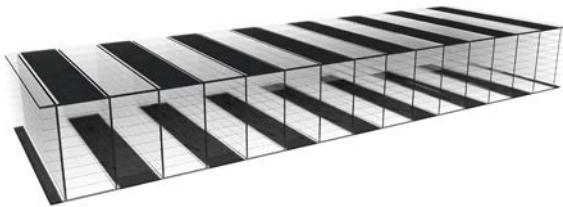
32



**MWS 32-10**

Building widths	standard width 1230 mm	variable width 700 mm - 1230 mm**
Thickness	32 mm	
Weight	approx. 3600 g/m <sup>2</sup>	
U <sub>p</sub> -value	1.2 W/m <sup>2</sup> K vertical / horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Light transmission	clear approx. 54%* / opal 012 approx. 29%*	
Versions	clear / opal / Color & DuoColor (on request**)	

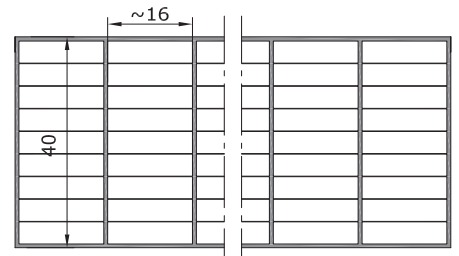
32



**MWS 32-10**

Building widths	1230 mm**	
Thickness	32 mm	
Weight	approx. 3600 g/m <sup>2</sup>	
U <sub>p</sub> -value	1.2 W/m <sup>2</sup> K vertical / horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Light transmission	clear - stripes matt black	approx. 13%
	clear - stripes opaque white	approx. 30%
	clear - stripes Heatbloc L	approx. 31%
Versions	on request**	

40

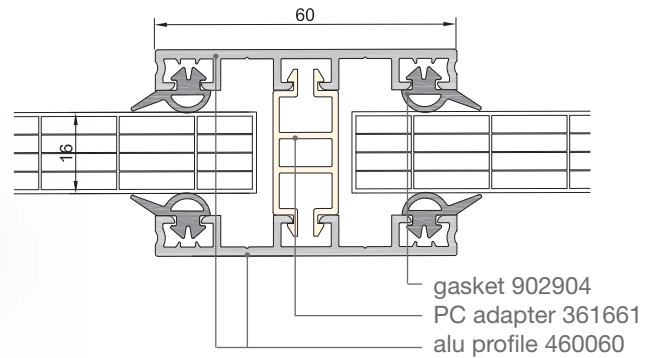


**MWS 40-10**

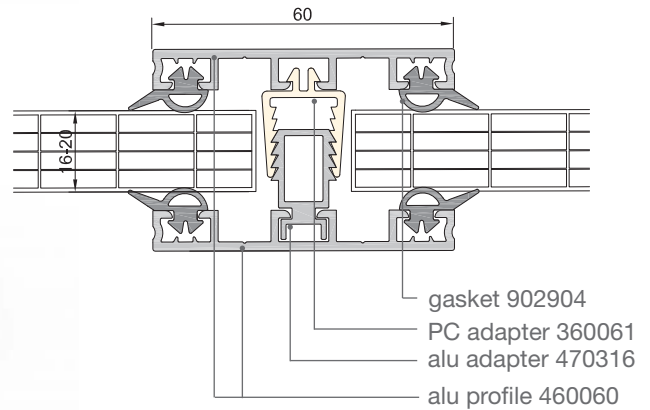
Building widths	standard width 980 mm	variable widths 700 mm - 1230 mm**
Thickness	40 mm	
Weight	approx. 4000 g/m <sup>2</sup>	
U <sub>p</sub> -value	1.0 W/m <sup>2</sup> K vertical / 1.1 W/m <sup>2</sup> K horizontal	
Fire classification	B-s1, d0 according to EN 13501	
Light transmission	clear approx. 48%* / opal 012 approx. 27%*	
Versions	clear / opal / Color & DuoColor (on request**)	

## Multi Wall Sheets accessories

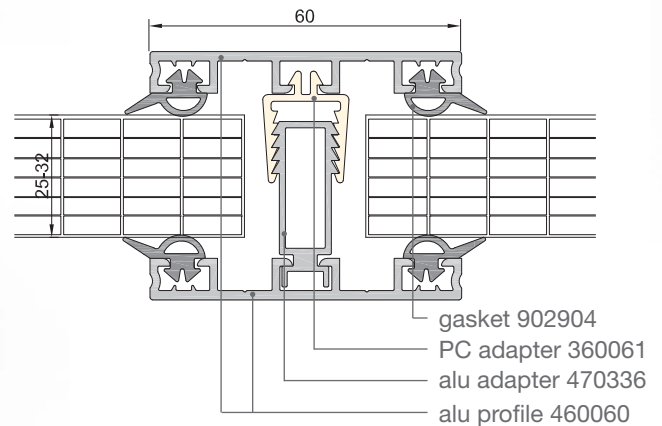
### System Quick-click 16 mm



### System Thermo-Vario 16-20 mm



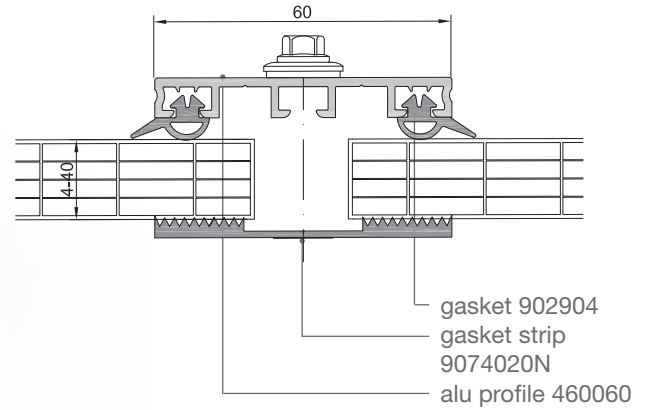
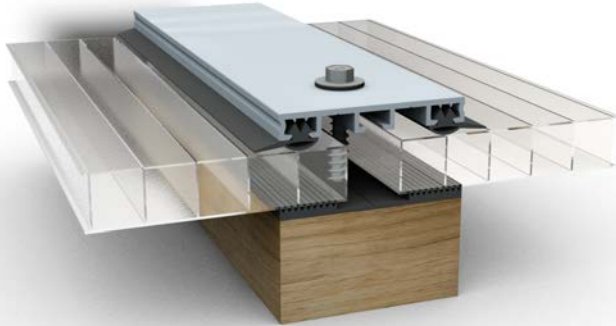
### System Thermo-Vario 25-32 mm



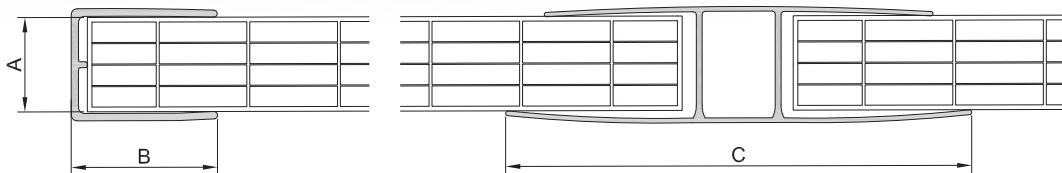
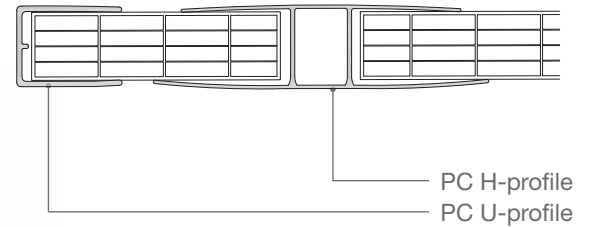
#### MWS installation accessories

Article no.:	delivery lengths
460060, aluminium profile 60 mm	4,0 / 5,0 / 6,0 / 7,0 m
361661, PC adapter Thermo Clip	4,0 / 5,0 / 6,0 / 7,0 m
470316, aluminium adapter 16-20 mm	6,0 m
470336, aluminium adapter 25-32 mm	6,0 m
414002, top and lateral frame profile	6,0 m
414051, base profile for pitched installations	6,0 m

## System gasket strip 4 mm - 40 mm

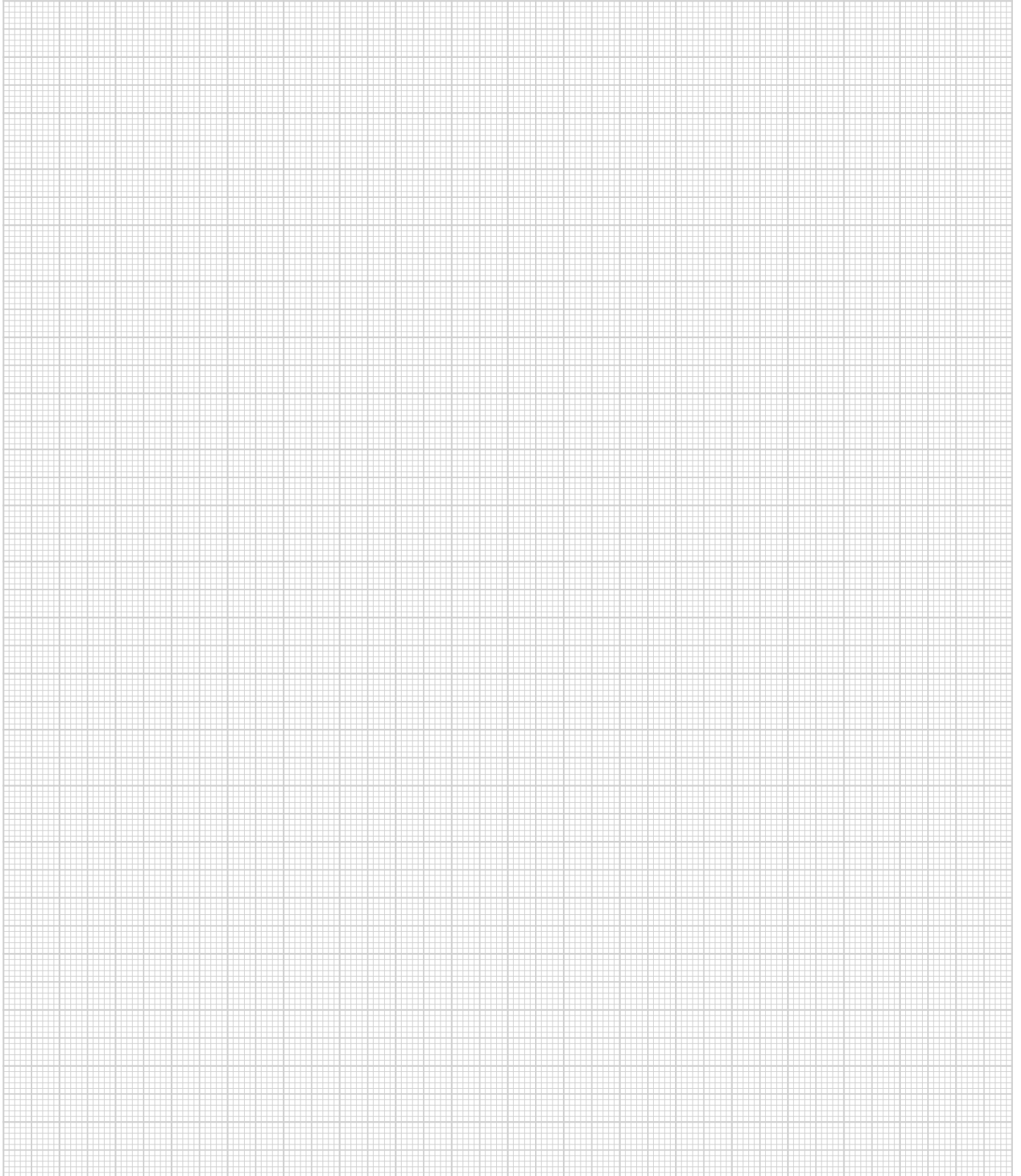


## Polycarbonate installation profiles



### PC installation accessories

Article no.: U / H	MWS thickness „A“	Width U-profile „B“	Width H-profile C“
360410 / 360470	4 mm	approx. 26 mm	approx. 64 mm
360610 / 360670	6 mm	approx. 26 mm	approx. 64 mm
360810 / 360870	8 mm	approx. 28 mm	approx. 66 mm
361010 / 361070	10 mm	approx. 28 mm	approx. 70 mm
361611 / 361671	16 mm	approx. 18 mm	approx. 80 mm
362010 / 362070	20 mm	approx. 25 mm	approx. 113 mm
362510 / 362570	25 mm	approx. 25 mm	approx. 125 mm



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