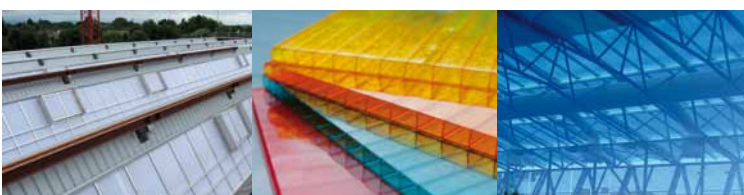




# Multi Wall Sheets

Hohlkammerscheiben



MULTI WALL SHEETS



# MULTI WALL SHEETS

## Multi Wall Sheets

### Advantages

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

### Applications

- Facade cladding and glazing
- Winter gardens
- Conservatories
- Roofing constructions
- Pergolas
- Light-bands
- Canopies
- Interior applications

### Available thicknesses / Manufacturing program

Multi Wall Sheets can be used in many different ways. They are manufacturable in different thicknesses and widths. Variable widths can be produced with closed edges according to customers demand. Standard colour is for all MWS clear. Additional standard colours depending on product type are available.

4	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	4-2	3.9 / 4.4 W/m <sup>2</sup> K	approx. 0.83	500-1050	2100
4.5-2	3.8 / 4.3 W/m <sup>2</sup> K	approx. 1.00	500-1050	-	

PC 4-2



PC 4.5-2



6	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	6-2	3.5 / 3.9 W/m <sup>2</sup> K	approx. 1.30	-	2100
	6(10)-2	3.5 / 3.9 W/m <sup>2</sup> K	approx. 1.30	550-1250	1202
6-4	3.2 / 3.5 W/m <sup>2</sup> K	approx. 1.30	730-1250	-	

PC 6-2

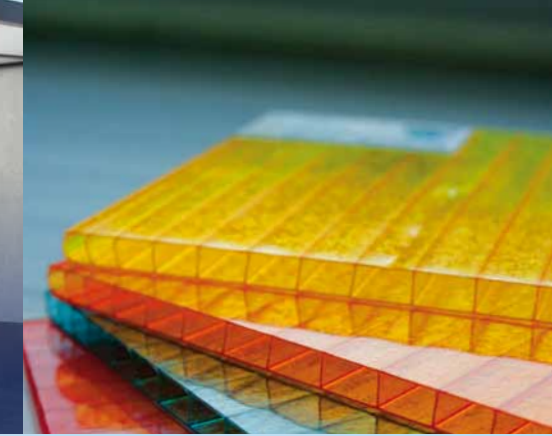


PC 6(10)-2



PC 6-4





RT-Thermolight  
RT-Thermolight

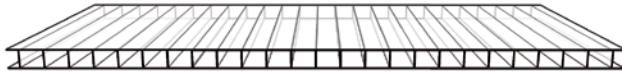
RT-Roof Lights  
RT-Dachlichtbänder

Windows  
Fenster

Do it yourself  
Do it yourself

8	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	8-2	3.2 / 3.5 W/m <sup>2</sup> K	approx. 1.50	550-1250; 2100	-
8-4	2.8 / 3.0 W/m <sup>2</sup> K	approx. 1.60	730-1250	-	

PC 8-2

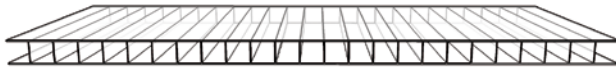


PC 8-4



10	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	10-2	3.0 / 3.2 W/m <sup>2</sup> K	approx. 1.70	550-1250	2100
10-4	2.5 / 2.7 W/m <sup>2</sup> K	approx. 1.75	730-1250	2100	

PC 10-2



PC 10-4

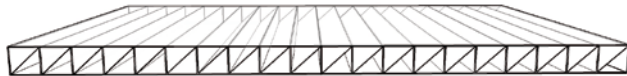


16	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	16-2	2.6 / 2.9 W/m <sup>2</sup> K	approx. 2.00	630-1250	980 + 1200
	16-N	2.4 / 2.6 W/m <sup>2</sup> K	approx. 2.70	950-1260	-
16-7	1.8 / 1.9 W/m <sup>2</sup> K	approx. 2.60	700-1230	980 + 1200 2100	

PC 16-2



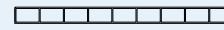
PC 16-N



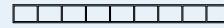
PC 16-7



MWS



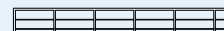
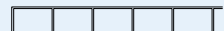
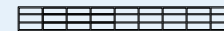
4



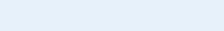
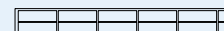
6



8



10



16





# MULTI WALL SHEETS

 Translucent Building Elements  
Lichtbauelemente
  Multi Function Panels  
Multi-Funktions-Paneele
  U-Panels  
U-Paneele

## Multi Wall Sheets

### Advantages

- Polycarbonate is a crystal clear, high impact thermoplastic
- Temperature resistance from -40 to +115°C, temporarily up to 130°C
- Unchanged impact resistance 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 whether Version DECOCOLOR or Version DUOCOLOR
- Frozen-Design  
Version DECOCOLOR, with fibre glass structure on the outer layer of 16-2
- COLOR Version  
Fully coloured product according to RAL

20	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	20-2	2.5 / 2.8 W/m <sup>2</sup> K	approx. 2.80	630-1250	-
20-7	1.5 / 1.6 W/m <sup>2</sup> K	approx. 2.90	700-1230; 2100	-	

PC 20-2

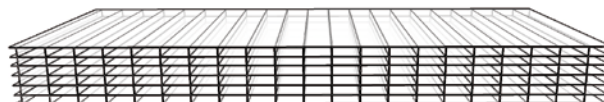


PC 20-7



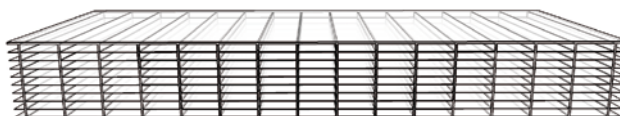
25	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard-width (mm)
	25-7	1.4 / 1.5 W/m <sup>2</sup> K	approx. 3.20	700-1230; 2100	980 + 1200

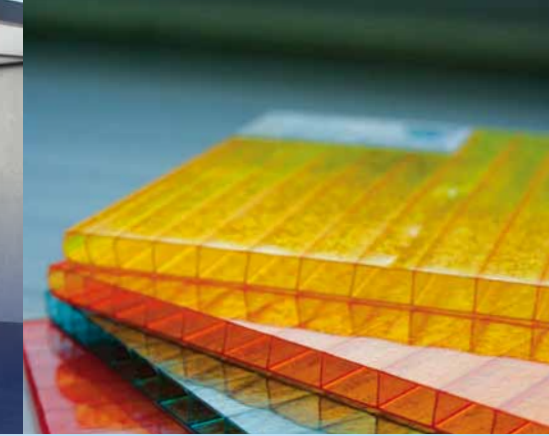
PC 25-7



32	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	32-10	1.2 / 1.2 W/m <sup>2</sup> K	approx. 3.60	700-1230	1230

PC 32-10





RT-Thermolight  
RT-Thermolight

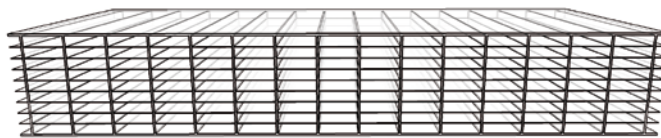
RT-Roof Lights  
RT-Dachlichtbänder

Windows  
Fenster

Do it yourself  
Do it yourself

40	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	40-10	1.0 / 1.1 W/m <sup>2</sup> K	approx. 4.00	700-1230	980

PC 40-10



50	MWS	Up-value W/m <sup>2</sup> K** Installation vertical / horizontal	Weight kg/m <sup>2</sup>	Variable widths (mm)	Standard widths (mm)
	50-10	0.89 / 0.92 W/m <sup>2</sup> K	approx. 4.50	700-1230	980

PC 50-10



## Versions COLOR, DECOCOLOR & DUOCOLOR

You can find our range of colours and product versions in the overview of MWS sheet specialities or in the single product datasheets.

## Performance characteristics

All Multi Wall Sheets are CE marked in accordance to the CPR and EN 16153. The corresponding performance characteristics are part of the declarations of performance.

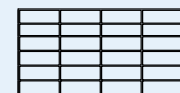
MWS



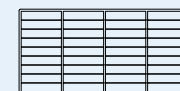
20



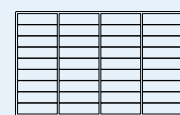
25



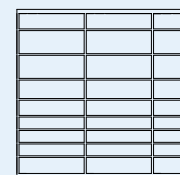
32



40



50

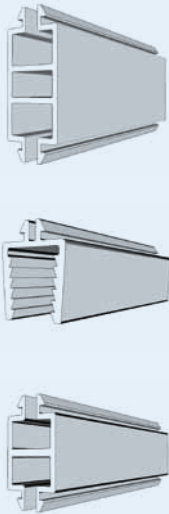




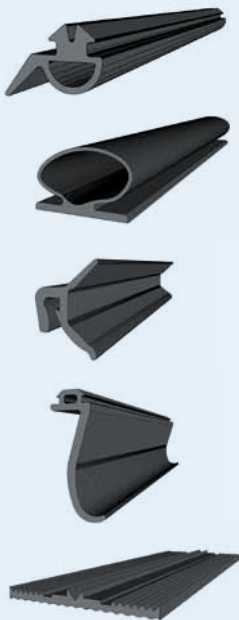
# MULTI WALL SHEETS

## Multi Wall Sheets

### Polycarbonate adapter



### Gaskets



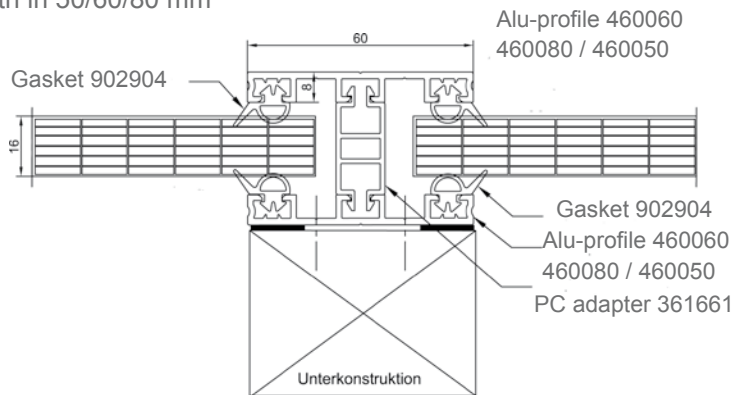
## Applications

The different combinable profiles and adapters give versatile construction possibilities. All products are manufacturable in different colours and versions. E. g. the Decocolor/Duocolor versions with "heatbloc", prevent heat build up in summer and this way have share in energy efficiency of a building. All Multi Wall Sheets are coextruded with a UV-protection layer.

### System example "Quick-click"

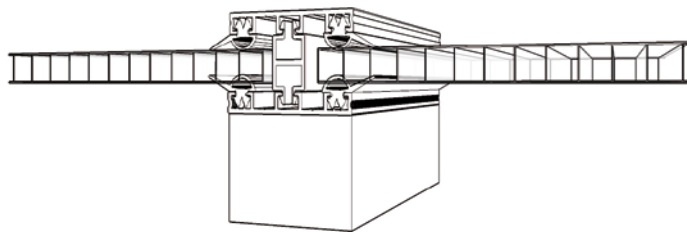
- easy installation by simple Click-in system
- variable adapter combinations for different MWS thicknesses

Width in 50/60/80 mm



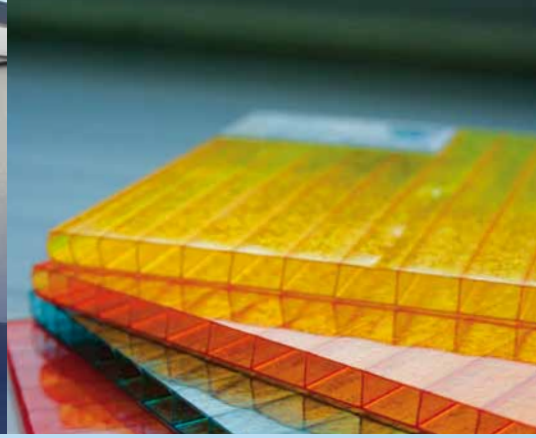
### Quick-click-system for 10mm MWS

Aluminium profile 460060 with gaskets 902904 and PC adapter 361061



Aluminium installation systems for Multi Wall Sheets from 10mm to 50mm thickness.





RT-Thermolight  
RT-Thermolight

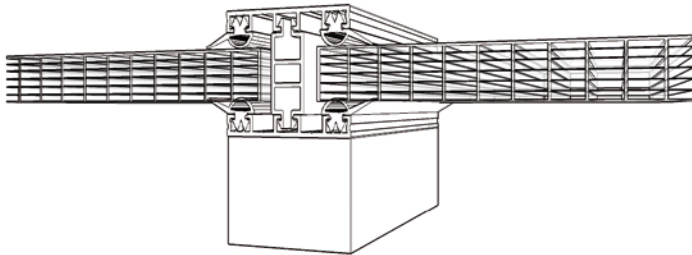
RT-Roof Lights  
RT-Dachlichtbänder

Windows  
Fenster

Do it yourself  
Do it yourself

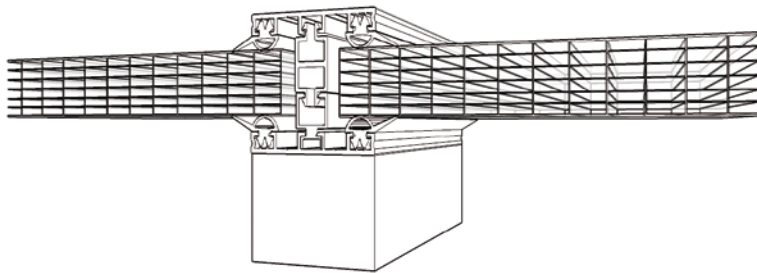
### Quick-click-system for 16mm MWS

Aluminium profile 460060 with gaskets 902904 and PC adapter 361661



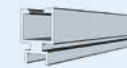
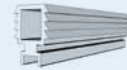
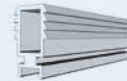
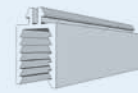
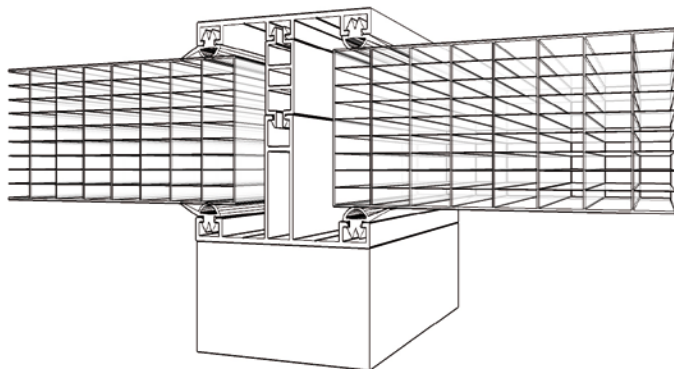
### Quick-click-system for 20mm MWS

Aluminium profile 460060 with gaskets 902904, aluminium adapter 470260 and PC adapter 361061

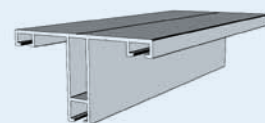
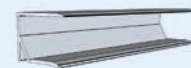
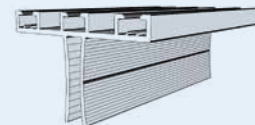
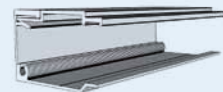


### Quick-click-system for 50mm MWS

Aluminium profiles 460080 and 465081 with gaskets 902904 and PC adapter 361661



Aluminium adapters



Aluminium profiles



# MULTI WALL SHEETS



Translucent Building Elements  
Lichtbauelemente



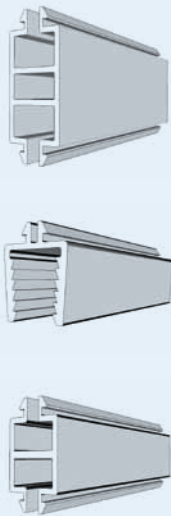
Multi Function Panels  
Multi-Funktions-Paneele



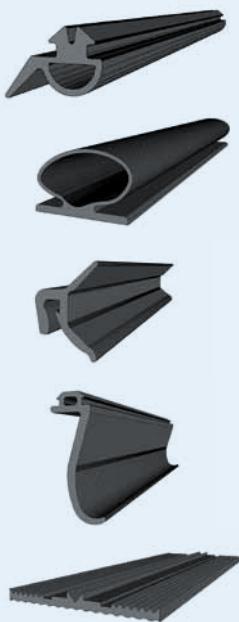
U-Panels  
U-Paneele

## Multi Wall Sheets

PC adapter



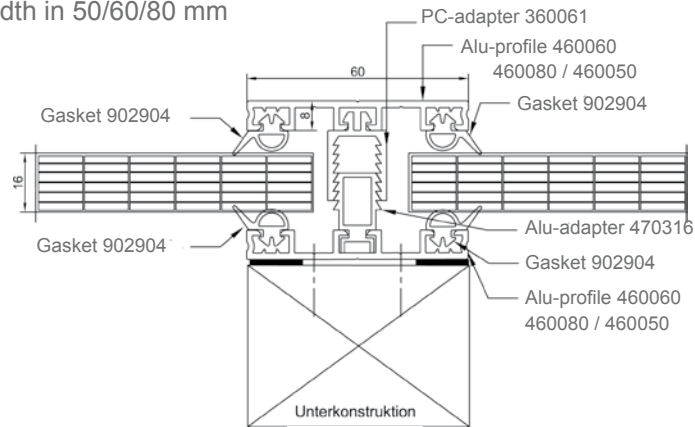
Gaskets



## Thermo-Vario System

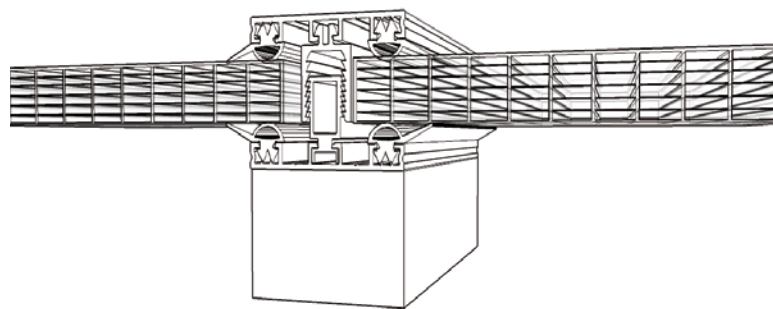
- thermal separation of aluminium profiles
- Adapter with tooth blade system for MWS from 10 to 50mm thickness
- easy installation by pressing on adapter, no additional screwing

Width in 50/60/80 mm



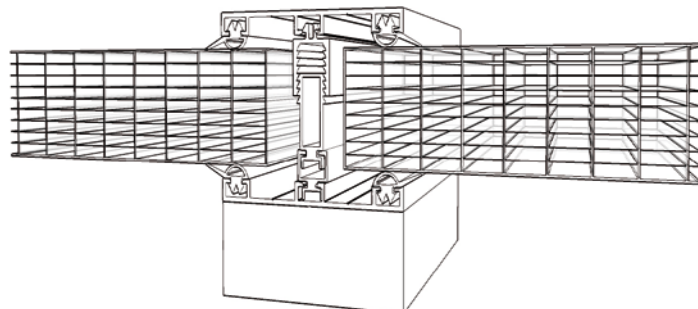
## System Thermo-Vario for 16mm MWS

Aluminium profile 460060 with gaskets 902904, aluminium adapter 470316 and PC adapter 360061

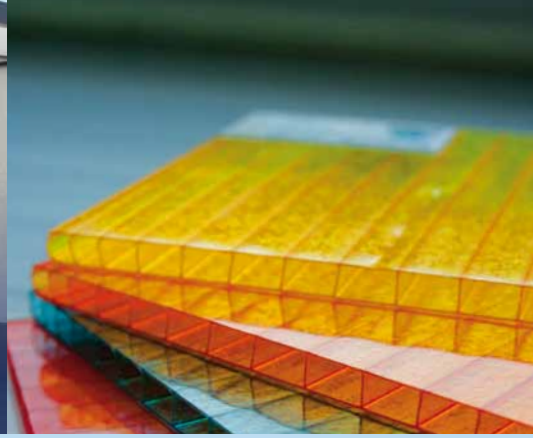


## System Thermo-Vario for 40mm MWS

Aluminium profile 460080 with gaskets 902904, aluminium adapter 470260 and 470332, additionally PC adapter 360061







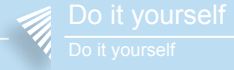
RT-Thermolight  
RT-Thermolight



RT-Roof Lights  
RT-Dachlichtbänder



Windows  
Fenster

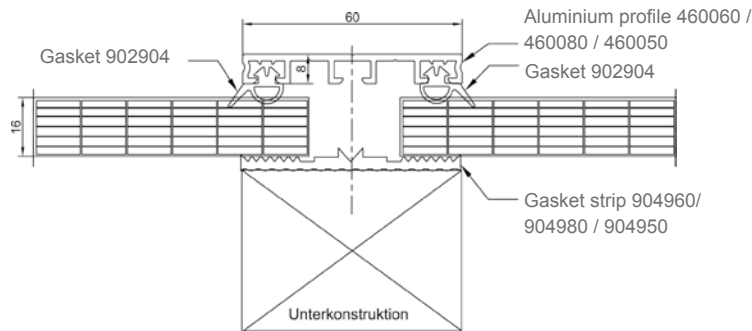


Do it yourself  
Do it yourself

## System with flat gasket strip

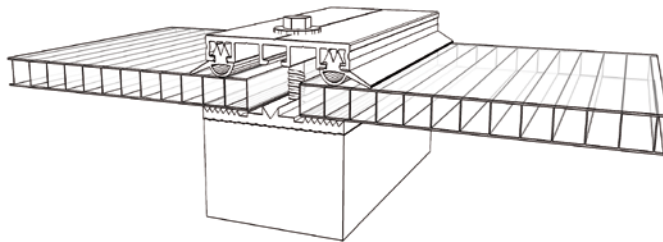
- easy system with minimized material consumption
- self adhesive support strip in width 50, 60 and 80mm for clean and easy installation

Width 50/60/80 mm



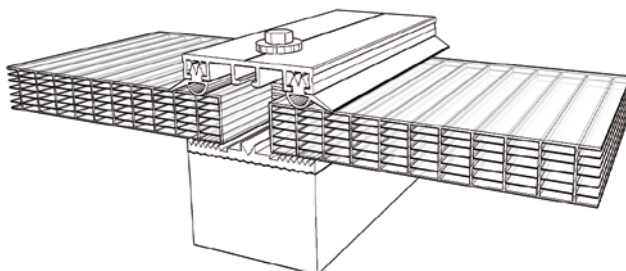
## System flat gasket strip for 10mm MWS

Aluminium profiles 460050 with gaskets 902904 and flat gasket strip 904950

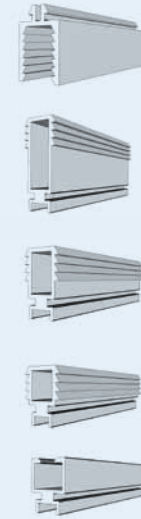


## System flat gasket strip for 16mm MWS

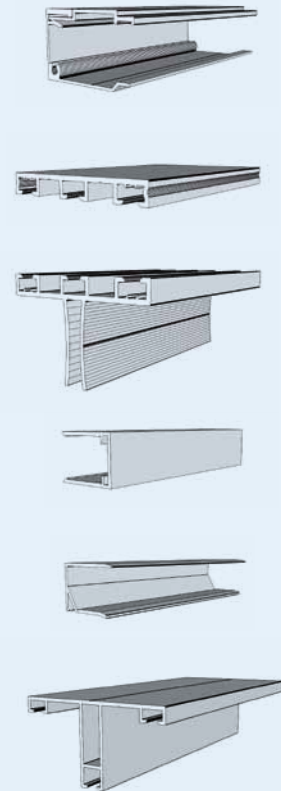
Aluminium profiles 460060 with gaskets 902904 and flat gasket strip 904960



Aluminium installation systems for Multi Wall Sheets from 10mm to 50mm thickness.



Aluminium adapter



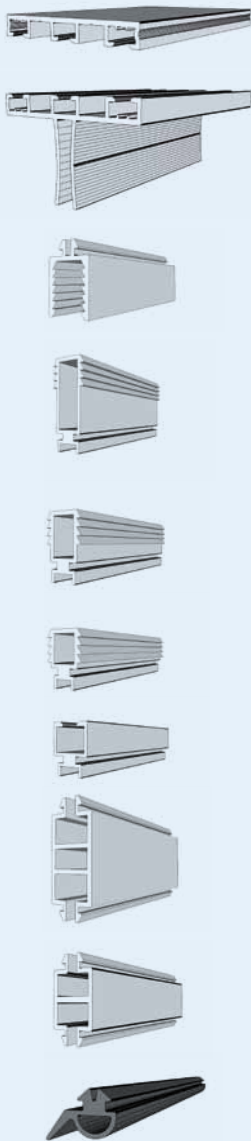
Aluminium profiles



# MULTI WALL SHEETS

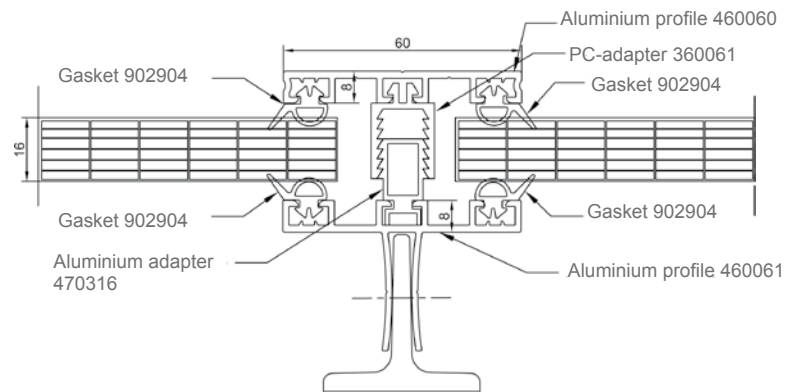
## Multi Wall Sheets

Components refurbishment glazing bar



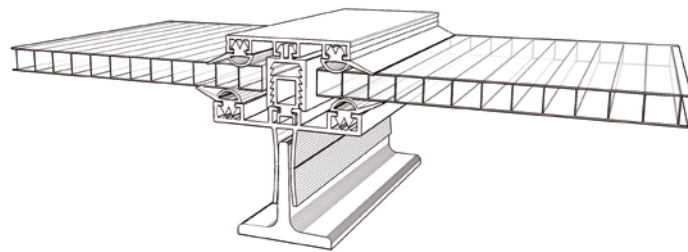
### Refurbishment glazing bar

- can be easily plugged onto existing substructures
- variable adapter combinations for different MWS thicknesses
- ideally suited for wired glass refurbishments



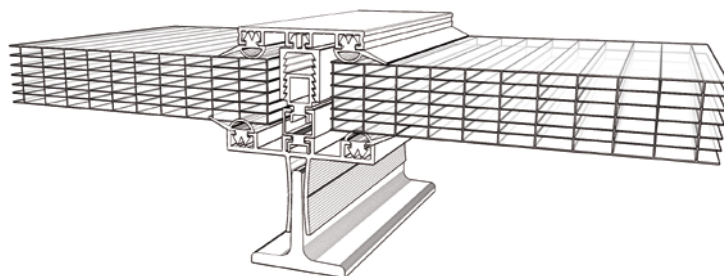
### Example refurbishment glazing bar for 10mm MWS

Aluminium profiles 460060 and 460061 with gaskets 902904, aluminium adapter 470310 and polycarbonate adapter 360061



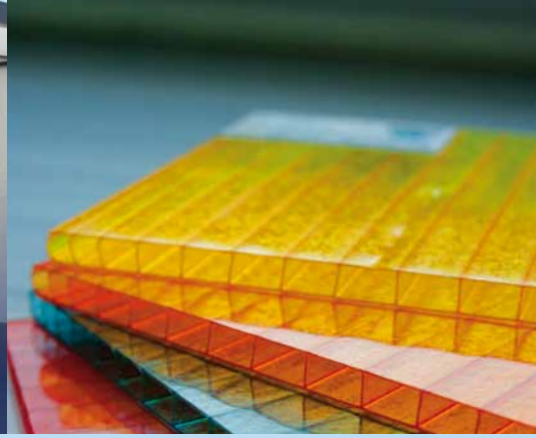
### Example refurbishment glazing bar for 25mm MWS

Aluminium profiles 460060 and 460061 with gaskets 902904, aluminium adapter 470260 and 470310, plus polycarbonate adapter 360061



Aluminium installation systems for Multi Wall Sheets from 10mm to 32mm thickness.





RT-Thermolight  
RT-Thermolight

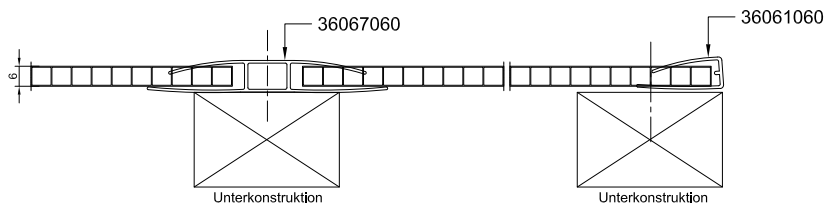
RT-Roof Lights  
RT-Dachlichtbänder

Windows  
Fenster

Do it yourself  
Do it yourself

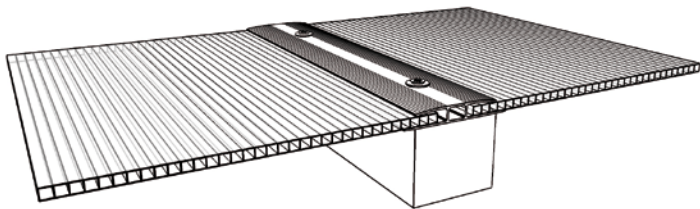
## Polycarbonate installation systems

- light weight translucent polycarbonate profiles
- applicable for Multi Wall Sheets from 6 to 16mm thickness



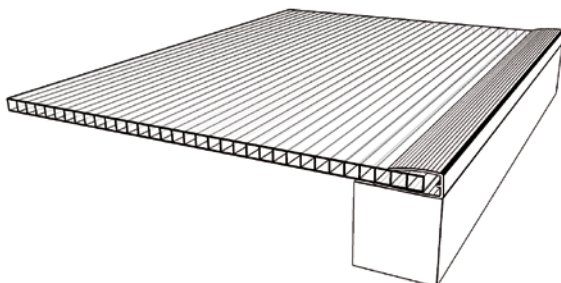
## Polycarbonate H-connection profile for MWS

- Polycarbonate H-connection profile 36067060 for 6mm MWS
- Polycarbonate H-connection profile 36107060 for 8 and 10mm MWS
- Polycarbonate H-connection profile 36167060 for 16mm MWS



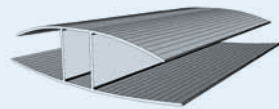
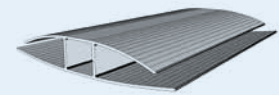
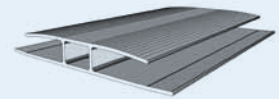
## Polycarbonate U-profiles for MWS

- Polycarbonate U-profile 36061060 for 6mm MWS
- Polycarbonate U-profile 36101060 for 8 and 10mm MWS
- Polycarbonate U-profile 36161060 for 16mm MWS

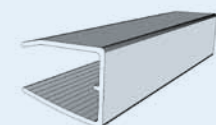
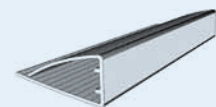
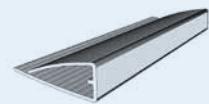


All installation advice, application requirements and additional technical information can be viewed in our technical manuals and installation manuals.

## Components



PC H-Profiles



PC U-Profiles



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## The RODECA product groups overview / Die RODECA Produktgruppen im Überblick:



### Translucent Building Elements

Lichtbauelemente



### Multi Wall Sheets

Hohlkammerscheiben



### Multi Function Panels

Multi-Funktions-Paneele



### U-Panels

U-Paneele



### RT-Thermolight

RT-Thermolight



### RT-Roof Lights

RT-Dachlichtbänder



### Windows

Fenster



### Do it yourself

Do it yourself