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

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.

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K** Install.</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>3.9 / 4.4 W/m²K</td>
<td>approx. 0.83</td>
<td>500-1050</td>
<td>2100</td>
</tr>
<tr>
<td>4.5-2</td>
<td>3.8 / 4.3 W/m²K</td>
<td>approx. 1.00</td>
<td>500-1050</td>
<td>-</td>
</tr>
</tbody>
</table>

PC 4-2

PC 4.5-2

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K** Install.</th>
<th>Weight kg²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-2</td>
<td>3.5 / 3.9 W/m²K</td>
<td>approx. 1.30</td>
<td>-</td>
<td>2100</td>
</tr>
<tr>
<td>6(10)-2</td>
<td>3.5 / 3.9 W/m²K</td>
<td>approx. 1.30</td>
<td>550-1250</td>
<td>1202</td>
</tr>
<tr>
<td>6-4</td>
<td>3.2 / 3.5 W/m²K</td>
<td>approx. 1.30</td>
<td>730-1250</td>
<td>-</td>
</tr>
</tbody>
</table>

PC 6-2

PC 6(10)-2

PC 6-4

Applications

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

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
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<th>Standard widths (mm)</th>
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</thead>
<tbody>
<tr>
<td>8</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>8-2</td>
<td>3.2 / 3.5 W/m²K</td>
<td>approx. 1.50</td>
<td>550-1250; 2100</td>
<td>-</td>
</tr>
<tr>
<td>8-4</td>
<td>2.8 / 3.0 W/m²K</td>
<td>approx. 1.60</td>
<td>730-1250</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-2</td>
<td>3.0 / 3.2 W/m²K</td>
<td>approx. 1.70</td>
<td>550-1250</td>
<td>2100</td>
</tr>
<tr>
<td>10-4</td>
<td>2.5 / 2.7 W/m²K</td>
<td>approx. 1.75</td>
<td>730-1250</td>
<td>2100</td>
</tr>
<tr>
<td>16</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>16-2</td>
<td>2.6 / 2.9 W/m²K</td>
<td>approx. 2.00</td>
<td>630-1250</td>
<td>980 + 1200</td>
</tr>
<tr>
<td>16-N</td>
<td>2.4 / 2.6 W/m²K</td>
<td>approx. 2.70</td>
<td>950-1260</td>
<td>-</td>
</tr>
<tr>
<td>16-7</td>
<td>1.8 / 1.9 W/m²K</td>
<td>approx. 2.60</td>
<td>700-1230</td>
<td>980 + 1200; 2100</td>
</tr>
</tbody>
</table>

**PC 8-2**

**PC 8-4**

**PC 10-2**

**PC 10-4**

**PC 16-2**

**PC 16-N**

**PC 16-7**
Multi Wall Sheets

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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

<table>
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<tr>
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<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
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<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-2</td>
<td>2.5 / 2.8 W/m²K</td>
<td>approx. 2.80</td>
<td>630-1250</td>
<td>-</td>
</tr>
<tr>
<td>20-7</td>
<td>1.5 / 1.6 W/m²K</td>
<td>approx. 2.90</td>
<td>700-1230; 2100</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-7</td>
<td>1.4 / 1.5 W/m²K</td>
<td>approx. 3.20</td>
<td>700-1230; 2100</td>
<td>980 + 1200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-10</td>
<td>1.2 / 1.2 W/m²K</td>
<td>approx. 3.60</td>
<td>700-1230</td>
<td>1230</td>
</tr>
</tbody>
</table>
MWS

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40-10</td>
<td>1.0 / 1.1 W/m²K**</td>
<td>approx. 4.00</td>
<td>700-1230</td>
<td>980</td>
</tr>
<tr>
<td>50-10</td>
<td>0.89 / 0.92 W/m²K</td>
<td>approx. 4.50</td>
<td>700-1230</td>
<td>980</td>
</tr>
</tbody>
</table>

**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.
Multi Wall Sheets

Applications

The different combinable profiles and adapters give versatile construction possibilities. All products are manufacturable in different colours and versions. E.g. the Decolor/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.
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
Multi Wall Sheets

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
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.
Multi Wall Sheets

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.
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.
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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