### 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.

### Table: Available thicknesses / Manufacturing program

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²·K**</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard widths (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-2</td>
<td>approx. 4.00</td>
<td>approx. 0.83</td>
<td>500-1050</td>
<td>2100</td>
</tr>
<tr>
<td>4.5-2</td>
<td>approx. 3.90</td>
<td>approx. 1.00</td>
<td>500-1050</td>
<td>-</td>
</tr>
<tr>
<td>6-2</td>
<td>approx. 3.60</td>
<td>approx. 1.30</td>
<td>-</td>
<td>2100</td>
</tr>
<tr>
<td>6(10)-2</td>
<td>approx. 3.60</td>
<td>approx. 1.30</td>
<td>550-1250</td>
<td>1202</td>
</tr>
<tr>
<td>6-4</td>
<td>approx. 3.10</td>
<td>approx. 1.30</td>
<td>730-1250</td>
<td>-</td>
</tr>
</tbody>
</table>

### Examples:

- **PC 4-2**
- **PC 4.5-2**
- **PC 6-2**
- **PC 6(10)-2**
- **PC 6-4**
<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>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-2</td>
<td>approx. 3.30</td>
<td>approx. 1.50</td>
<td>550-1250</td>
<td>2100</td>
</tr>
<tr>
<td>8-4</td>
<td>approx. 2.60</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>approx. 3.20</td>
<td>approx. 1.70</td>
<td>550-1250</td>
<td>2100</td>
</tr>
<tr>
<td>10-4</td>
<td>approx. 2.50</td>
<td>approx. 1.75</td>
<td>730-1250</td>
<td>1050 + 2100</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-2</td>
<td>approx. 2.80</td>
<td>approx. 2.40</td>
<td>630-1250</td>
<td>980 + 1200</td>
</tr>
<tr>
<td>16-N</td>
<td>approx. 2.80</td>
<td>approx. 2.70</td>
<td>950-1260</td>
<td>980 + 1200</td>
</tr>
<tr>
<td>16-7</td>
<td>approx. 1.70</td>
<td>approx. 2.60</td>
<td>700-1230</td>
<td>980 + 1200</td>
</tr>
</tbody>
</table>
**Multi Wall Sheets**

### Advantages

- Polycarbonate is a crystal clear, high impact thermoplastic
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- 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

### Specifications

<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>20-2</td>
<td>approx. 2.60</td>
<td>approx. 2.80</td>
<td>630-1250</td>
<td>-</td>
</tr>
<tr>
<td>20-7</td>
<td>approx. 1.70</td>
<td>approx. 2.90</td>
<td>700-1230</td>
<td>980 + 1200 2100</td>
</tr>
</tbody>
</table>

PC 20-2

PC 20-7

<table>
<thead>
<tr>
<th>MWS</th>
<th>Up-value W/m²K**</th>
<th>Weight kg/m²</th>
<th>Variable widths (mm)</th>
<th>Standard-width (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-7</td>
<td>approx. 1.50</td>
<td>approx. 3.30</td>
<td>700-1230</td>
<td>980 + 1200 2100</td>
</tr>
</tbody>
</table>

PC 25-7

<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>approx. 1.20</td>
<td>approx. 3.60</td>
<td>700-1230</td>
<td>980 + 1200</td>
</tr>
</tbody>
</table>

PC 32-10
### Flammability classifications

Fire behaviour proven per test reports B1 and B2 according to DIN 4102-1 and B-s1, d0 and B-s2, d0 according to DIN EN 13501

### **Up-values**

All Up-values are approximate values / reference values.

### 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.

<table>
<thead>
<tr>
<th></th>
<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><strong>40</strong></td>
<td>40-10</td>
<td>approx. 1.00-1.10</td>
<td>approx. 4.20</td>
<td>700-1230</td>
<td>980 + 1200</td>
</tr>
</tbody>
</table>

**20**

<table>
<thead>
<tr>
<th></th>
<th>20</th>
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**25**

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</table>

**32**

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<tr>
<th></th>
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</table>

**40**

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<th></th>
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</table>

**50**

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</table>

**50**

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<thead>
<tr>
<th></th>
<th>50</th>
</tr>
</thead>
</table>
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.
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

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.
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 470316 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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www.replaex.com.br

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