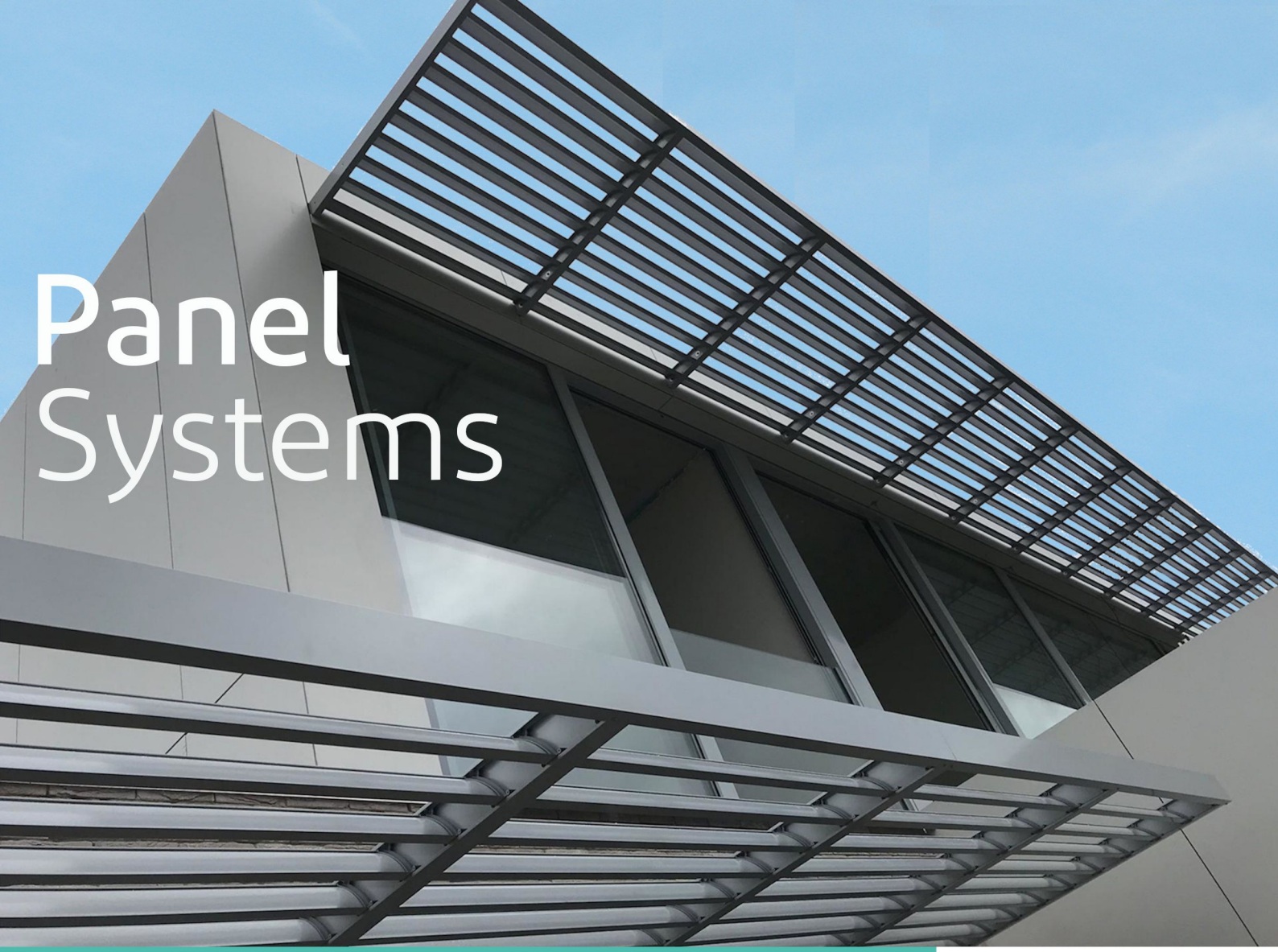
Panel Systems



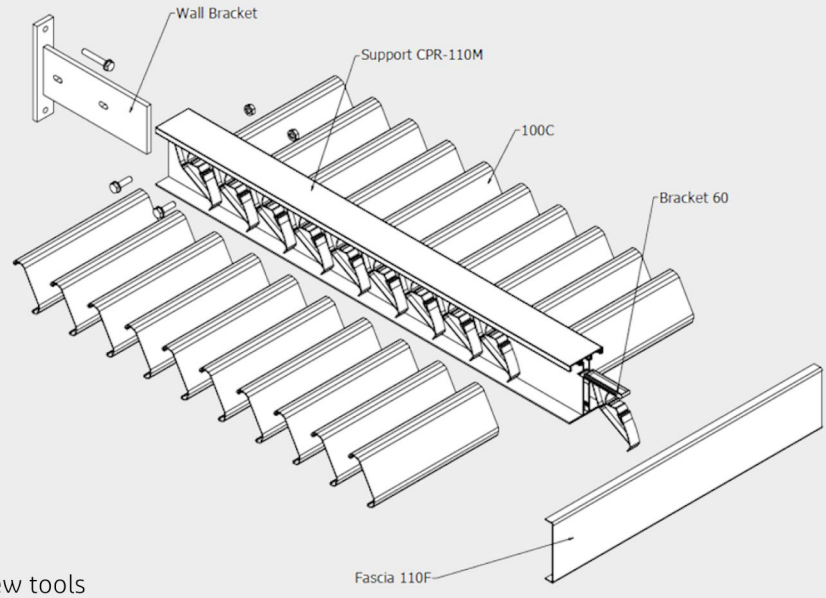
Building Elegance Panel Systems for Sun Control offer excellent design, functionality and comfort with multifunctional louvre systems. Linear Systems can be installed in a projected or parallel orientation to the façade or designed in relation to the angle of the sun.

Meuseview Hermalle
Visé, Belgium

Architect: Luc Spits Architecture
Product: Panel Systems

Key Features

- Horizontal and vertical projections come in a variety of panels and modulations to meet the project specification and design.
- High quality components, used to manufacture the Panel Systems, deliver high performance and low maintenance: products built to last.
- Wide choice in finishes: from anodisation to powder coating in an unlimited variety of colours and designs.
- Elegant system design with attractive details and a light appearance.
- Panel Systems are easy and quick to install with very few tools



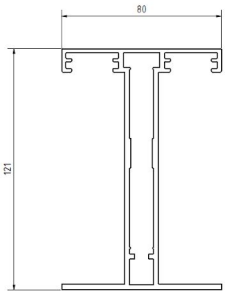
110-T

The Building Elegance 110-T Panel System is made from strong and highly durable extruded aluminium C-shaped panels and has an elegant appearance due to the limited height. The fins are mounted between the carriers. When the steel wall brackets are fitted to the façade, the carrier profiles with brackets and spacers slide over the wall brackets and are easily fixed with a bolt-through connection. The C-shaped panels are locked on to the brackets.
A fascia is fixed to the end of the carrier profiles with brackets.

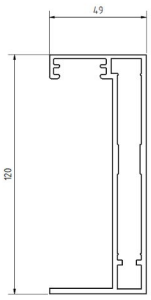
Two stylish carrier profiles with sliding brackets are available to ensure that optimal shading angles and openness are achieved for each application.

Carrier Systems

Two carrier systems are available allowing the optimal solution for each application:
- The self supporting extruded middle CPR-110 M
- The self supporting extruded end CPR-110 E

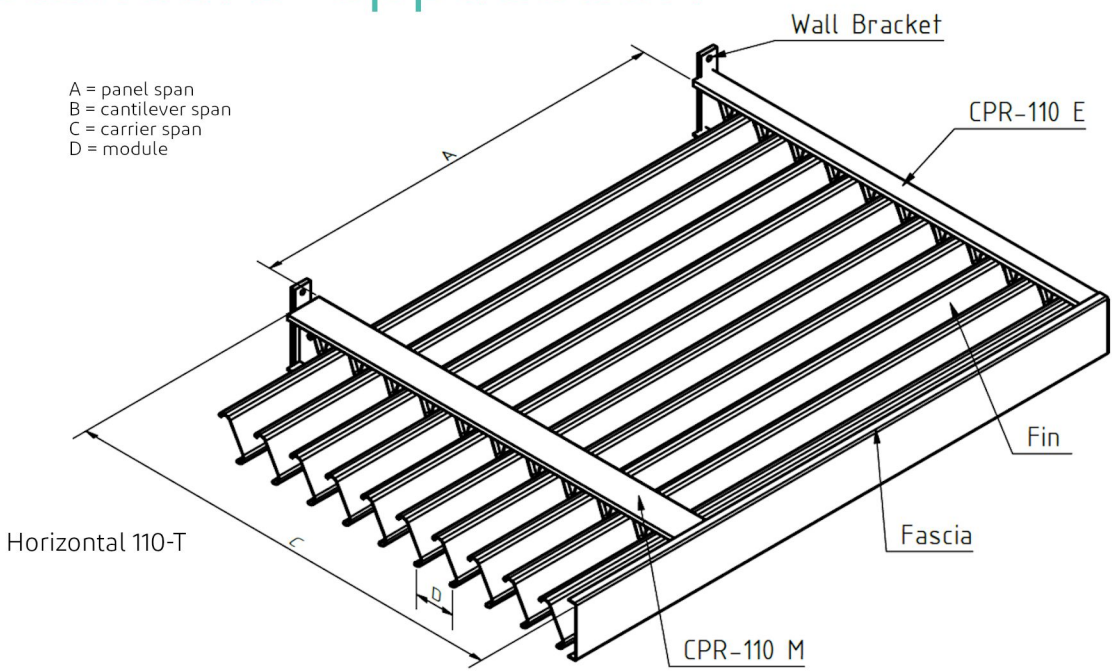


CPR-110 M



CPR-110 E

Standard application



100-UC

The Building Elegance 100-UC Panel System is made from strong and highly durable extruded aluminium C-shaped panels and has an open and 'sturdy' appearance.

When the wall brackets are fitted to the façade, the carrier profiles with (prefixed) 'brackets and spacers slide over the wall brackets and are easily fixed with a bolt-through connection.

The C-shaped panels (in full length) are locked on to the brackets.

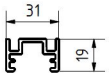
A fascia (optional) is fixed to the end of the carrier profiles with brackets.

Two stylish carrier profiles with sliding brackets are available to ensure that optimal shading angles and openness are achieved for each application. The 100-UC Panel System can also be used as ventilated façades.

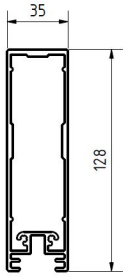
Carrier Systems

Two carrier systems are available allowing the optimal solution for each application:

- The self supporting extruded CPR-100
- The direct mount CPR-10



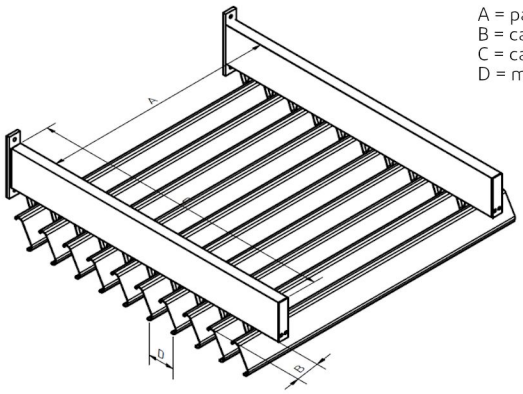
CPR-10



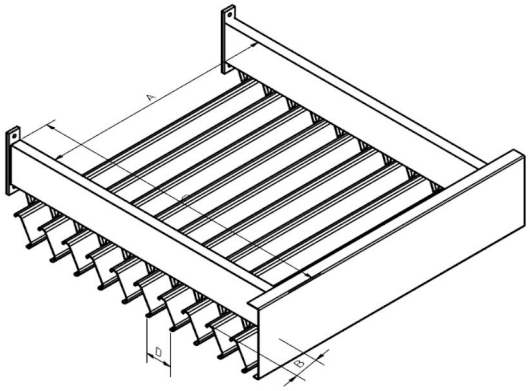
CPR-100

Standard applications

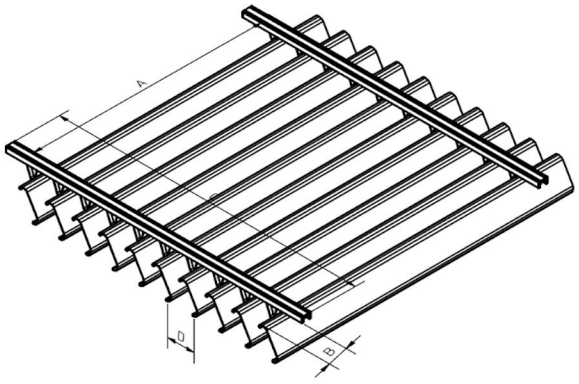
A = panel span
B = cantilever span
C = carrier span
D = module



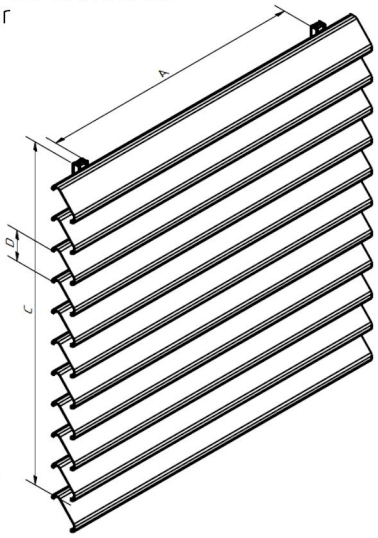
Horizontal 100-UC with end-caps
CPR-100 Carrier



Horizontal 100-UC with Fascia
CPR-100 Carrier



Horizontal 100-UC
CPR-10



Vertical 100-UC
CPR-10

Technical Details

Carrier systems

Two carrier systems are available allowing the optimal solution for each application. Each solution has its own modulation and shading angle.

Material

The 100C panels are aluminium extruded 100 mm wide C-shaped panels with a thickness of 1.8 mm and are available in powder coated or anodized finish. The panels are extruded profiles (according to EN755-9) made from corrosion resistant alloy. The CPR-carrier system is made of extruded corrosion resistant aluminium. The spacers and brackets are made of black polycarbonate.

Shading Angles

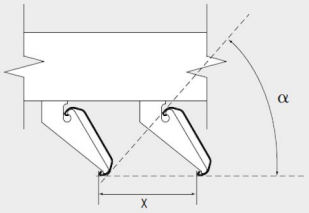
The shading angle of a sun control system mounted under an angle is different to a horizontal projected system. For each individual mounting angle the shading angle can be calculated by our project support team (also for combined systems).

Maximum Spans

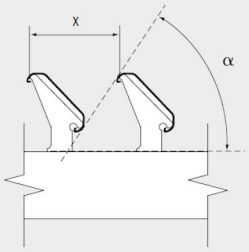
The panel span in relation to the wind load (pressure or suction), can be calculated from the graph to the right. There are three graphs per wind load type based on the application:

- If a multi-span panel system is required, consult the '3 and 4 carriers or more' graph.
- When using 2 carriers, consult the '2 carriers' graph

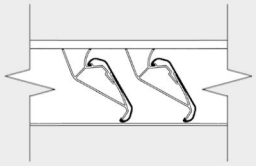
Shading Angles - Horizontal



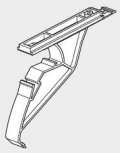
Spacer	X	α
0 mm	90	69°
30 mm	120	53°



Spacer	X	α
0 mm	90	79°
30 mm	120	56°



Spacer	X	α
0 mm	90	69°
30 mm	120	53°

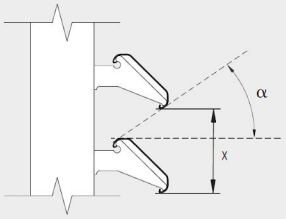


Horizontal Bracket (60°)
(PA6 GF)

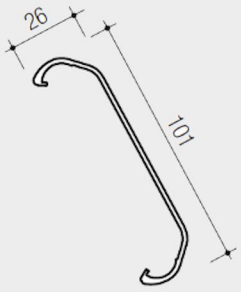
Spacer
(PA6 GF)

Vertical Bracket (45°)
(PA6 GF)

Shading Angles - Vertical



Spacer	X	α
0 mm	90	11°
30 mm	120	34°



100C Panel (Alu)