



Panel Systems

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

africa
aluminium
structural systems

Namibian Appointed Distributor – Authorised installer

Tel +264 61 218611 | Fax + 264 61 215560

www.africaaluminium.com

12 Ruhr Street – Northern Industrial Area

Windhoek Namibia

HunterDouglas

SUN CONTROL



Panel Systems

in the new style

DESIGN FLEXIBILITY

HunterDouglas® Panel Systems within the Sun Louvre product range, give architects the freedom to choose the right system to meet aesthetic, performance and comfort criteria.

Create an elegant, light appearance with gently curved edges with aluminium rollformed panels 84R, 70S and 132S. For designs with a more defined look, extruded aluminium panels 100R and 110HC are the ideal choice. Almost all HunterDouglas® Panel Systems can be mounted on the same substructure and projected horizontally, vertically or angled.

DURABILITY

The high quality components, used to manufacture the Panel Systems, deliver high performance and low maintenance: products built to last.

EASY INSTALLATION

Panel Systems are easy and quick to install with very few tools required. All systems (excluding 110HC) can be installed using the same extruded aluminium substructure.

Steel wall brackets fitted to the façade ensure the carrier profiles with brackets or stringers are easily fixed in place. Panels are snapped into place on the brackets or stringers without tools. As an option for horizontal applications, a fascia can be fitted to the carrier profiles.

The 110HC Panel System is made of extruded aluminium panels which are assembled in a frame. Relatively small segments can be mounted on the façade as a pre-assembled unit for quick installation. Larger segments need to be assembled on the building.

70S/132S

SYSTEM DESCRIPTION

The HunterDouglas® 70S and 132S Panel System consist of sturdy Z-shaped panels. The panels provide a crisp, pleasing aesthetic design.

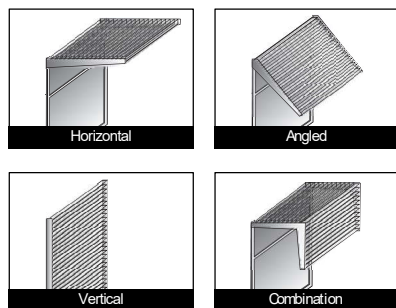
INSTALLATION

HunterDouglas® 70S and 132S Panel Systems are quick and easy to install with very few tools required. When the steel wall brackets* are fitted to the façade, the carrier profiles with (pre-fixed) brackets and spacers slide over the wall bracket and are easily fixed with a bolt-through connection. The Z-shaped panel (in full length) are locked on to the brackets.

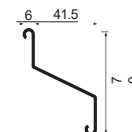
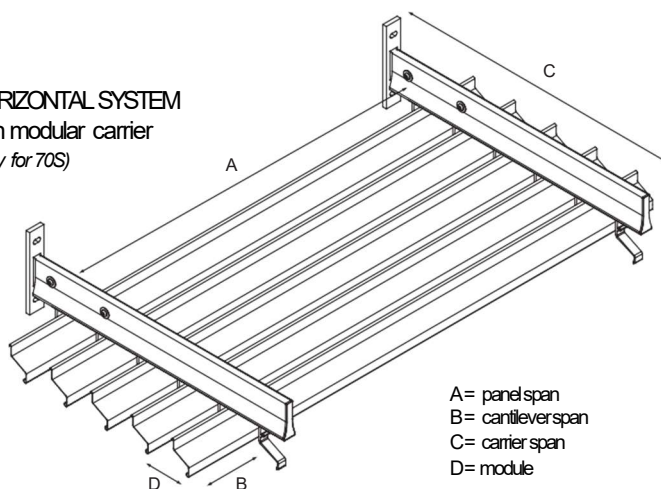
A wide range of stylish carrier profiles with sliding brackets are available to ensure that optimal shading angles and openness are achieved for each application.

70S and 132S Panel Systems can also be used as ventilated façades.

The 70S and 132S Panel System can be installed in 4 ways:

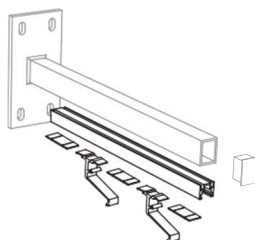


HORIZONTAL SYSTEM with modular carrier (Only for 70S)

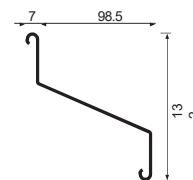


70S Panel (Alu)

OTHER SUPPORT STRUCTURES:

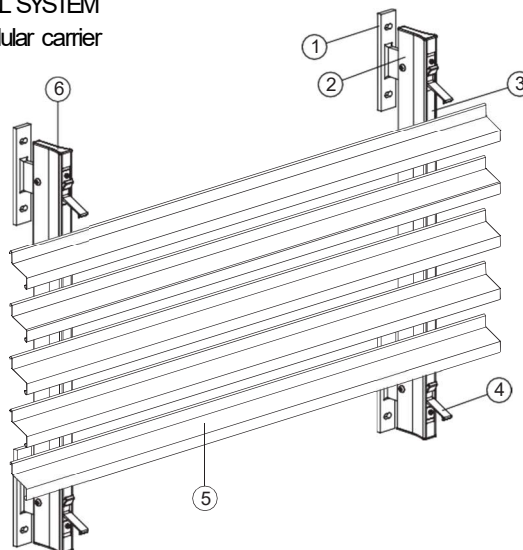


Modular system & rectangular hollow section
(Only for 70S)

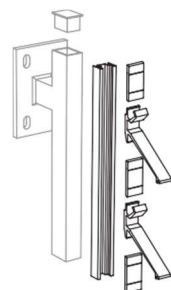


132S Panel (Alu)

VERTICAL SYSTEM with modular carrier



OTHER SUPPORT STRUCTURES:



Modular system &
rectangular hollow section

* The steel wall brackets are usually designed and manufactured by the installers and are not a standardised part of the system

CARRIER SYSTEMS

A variety of carrier systems is available allowing the optimal solution for each application:

- the self supporting extruded SLR-40/60/60V/100 and the direct mount SLR-10 with different modules due to different spacers and brackets.

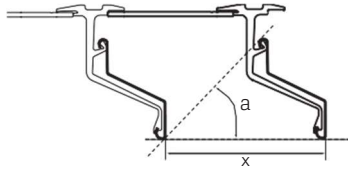
Each solution has its own modulation and shading angle.

See page 10 - 11 for a complete overview of carrier systems suitable for 70S and 132S.

MATERIAL

The 70S and 132S panels are roll formed from 0.6 mm pre-painted (Luxacote® system) stove enamelled aluminium strip of corrosion resistant alloy EN-AW-3005. The SLR-carrier system, brackets and spacers are aluminium extruded profiles.

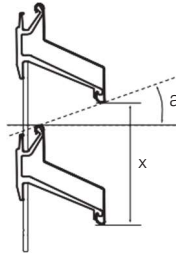
SHADING ANGLES - Horizontal



70S

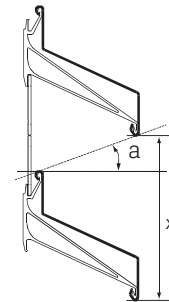
Spacer	X	a
48 mm	75	67°
63 mm	90	57°
88 mm	115	44°

SHADING ANGLES - Vertical



70S

Spacer	X	a
48 mm	70	0°
63 mm	85	20°
88 mm	110	43°



132S

Spacer	X	a
88 mm	132	0°
126 mm*1	170	22°
176 mm*2	220	42°

*1 126 mm (2 x 63 mm) - *2 176 mm (2 x 88 mm)

SHADING ANGLES - Angled

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

Panel Span

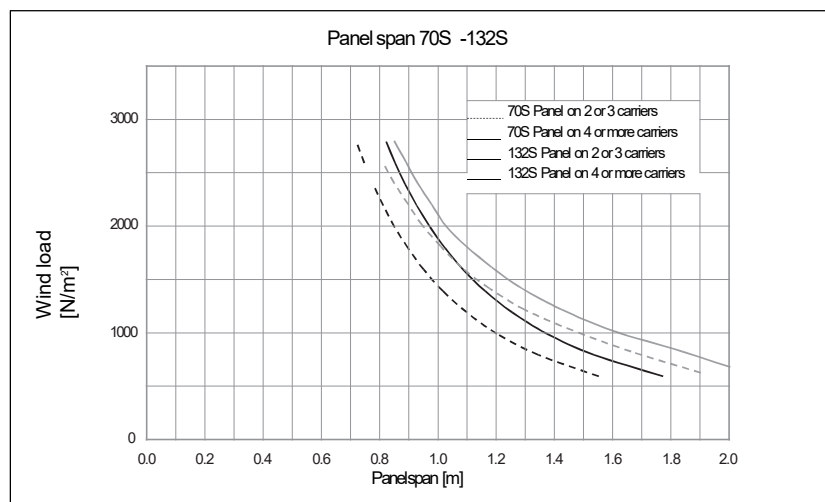
The panel span in relation to the wind load (pressure or suction), can be calculated from the graph to the right.

There are two graphs per wind load type based on the application:

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

Note: Calculating the value of the local wind load is the responsibility of the installer who must take into account the regulations laid down by local authorities.

For corners, roof edges or special designs, wind pressure/suction shall be determined with due consideration of the relevant local country's Standard Code of Building Practice.



For other carrier tables using our modular carrier system, please consult the Hunter Douglas sales office. For snowloads consult your local building regulations.