



ProScreen

ProScreen, the **professional**, retractable **external solar shading** from Hunter Douglas lets you bring outdoors living indoors, for an **attractive view** and a **manageable indoor climate**. This gives you long lasting comfort at home and in the workplace. In addition ProScreen is a compact **modular solution** with a sleek, high-quality finish and **efficient installation** on any building.

HunterDouglas

SUN CONTROL



ProScreen

High quality solar shading
for controlling temperature and light

DURABILITY, COMFORT AND QUALITY

In shops, schools, hospitals and other non-residential buildings ever-greater demands are placed on user comfort and durability. Attractive modern buildings with large glazed areas offer immediate contact with the outside world, but sophisticated solar shading is essential to create pleasant living and working conditions.

ProScreen, the professional external roller blinds from Hunter Douglas, improve temperature and visibility control. ProScreen provides a sleek, high-quality finish, a long service life and trouble-free operation. It is also an easy-maintenance solution due to the ease of access to its mechanism.

EASY INSTALLATION

The modular components exclusively developed by Hunter Douglas allow for easy installation, connection and operation of HunterDouglas® ProScreen external solar shading. In addition these external blinds are suited to virtually any building, whether it is a new build or a refurbishment project. The versatile ProScreen can either be invisible or can add that extra finishing touch to the façade.

COST EFFICIENT AND ENERGY SAVING

HunterDouglas® ProScreen external sun protection reduces the amount of light and heat getting into the building and improves comfort levels in the home and workplace as a result. This improves productivity and lowers air conditioning energy consumption. ProScreen has the advantage of low purchase, installation, transport and maintenance costs, resulting in a low Total Cost of Ownership (TCO).



Left : Sports & Recreation Park 'De Nekker'
Location : Mechelen, Belgium
Architect : VenhoevenCS architecture+urbanism / BURO II & ARCHI+I

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FACTS AND FIGURES

- Wind class 3 (TÜV tested in accordance with NEN-EN 13561) or resistance up to and including 12 m/s.
- reduction heat gain internally by 85%
- reduction light level internally by 75%
- convenient, even transparency
- extra noise reduction in the bottom rail
- satisfies product standard NEN-EN 13561
- carries CE markings

Innovative Products Make Innovative Projects



HunterDouglas

Advantages of ProScreen

MINIMISE THE BOUNDARY BETWEEN INSIDE AND OUTSIDE

Outside is where people prefer to be. You can relax more easily, experience a certain freedom and increase productivity and creativity. By installing glass, the contact between the living and working environment and the outside world can be increased. The disadvantage of glass is that, of course, daylight and the sun's rays shine in, which cause glare and increased thermal gain. The HunterDouglas® ProScreen external sun protection system is the perfect solution for making the living and working environment as comfortable and sustainable as possible.



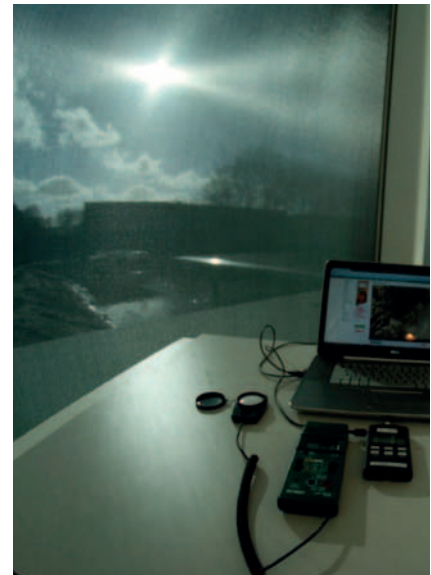
Above: Warsaw Business Garden office buildings - Location: Warsaw, Poland - Architect: JSK

HIGH QUALITY GLASS FIBRE FABRIC

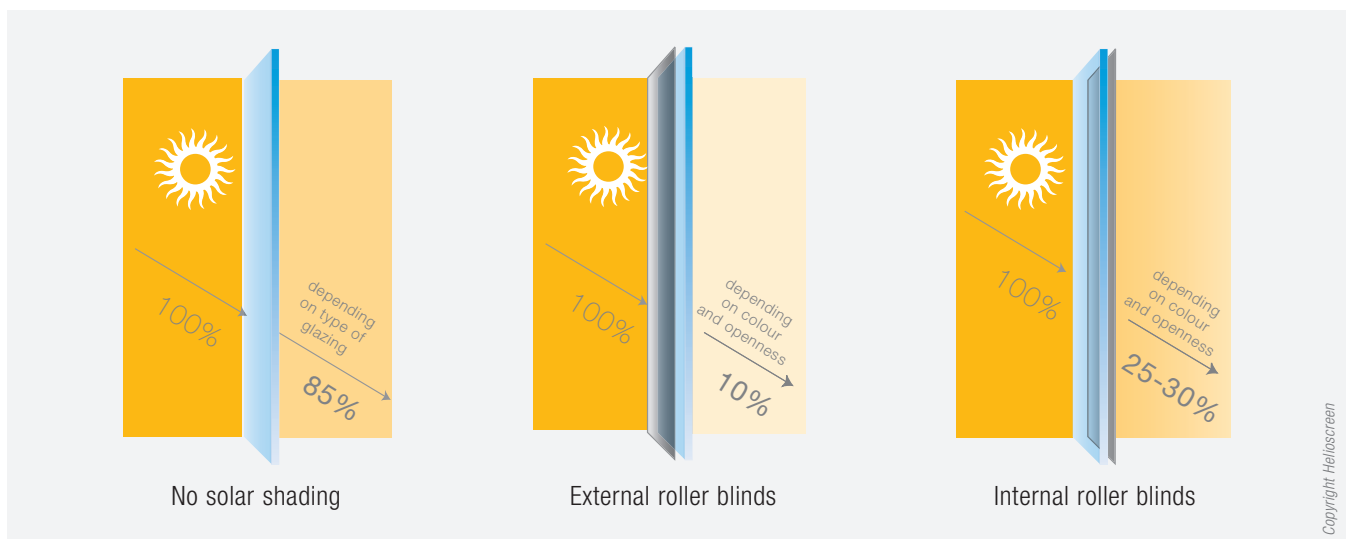
So that you can create an optimal living and working environment the HunterDouglas® ProScreen is fitted with a high quality glass fibre fabric. The open weave of the glass fibre fabric reduces heat gain internally by 85% and light level by 75%, while allowing diffuse light to pass through. The even distribution of the light that passes through the fabric ensures optimum contrast in the field of view and prevents glare. This is soothing to the eye and makes working with digital screens and displays very comfortable.



Workplace fitted without solar shading



Workplace with solar shading



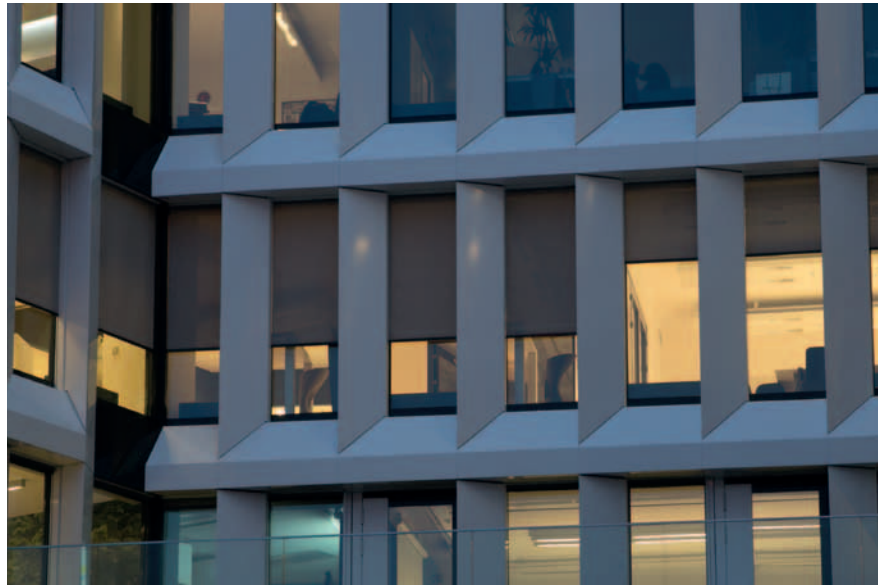
Advantages of ProScreen

REDUCTION IN THE TOTAL COST OF OWNERSHIP (TCO)

During new-build and renovation projects there are always situations that turn out differently to what was expected. This causes extra costs. HunterDouglas® ProScreen has been developed from this experience. A very simple, compact and modular system has emerged from this. Simple installation, so that work processes are faster and labour costs can be reduced. A compact product that leads to efficient logistics and user-friendly installation. Modular, so that the installation method is easy and failure and repair costs are reduced. This leads to a manageable and lower “Total Cost of Ownership” or TCO.

SUITABLE FOR ANY BUILDING

The stable and robust HunterDouglas® ProScreen is constructed from high quality parts, including the head box, operating mechanism, glass fibre fabric, guidance system and bottom rail. A number of designs have been developed for each component, so that we can offer the right solution for virtually any building.



Above: Warsaw Business Garden office buildings - Location: Warsaw, Poland - Architect: JSK



Above: Sandakerveien 114 - Location: Oslo, Norway - Architect: Old building renovation



Above: Town Hall - Location: Montigny-le-Tilleul, Belgium - Architect: + & Bureau Bouwtechniek

Components

type	Square head box	chamfered head box	without a head box
75	x	x	
85	x	x	
95	x		x

HEAD BOXES

HunterDouglas® ProScreen is made up of three systems, in a range of designs suitable for virtually any building. The selection depends, among other factors, on the dimensions of the window and the desired design.



Square head box



Chamfered head box



Without a head box

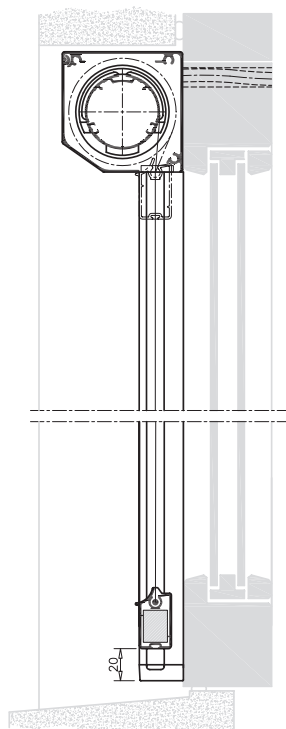
MAXIMUM DIMENSIONS

75 = width 2600 mm x height for cable guide of 2900 mm / aluminium guide 2900 mm

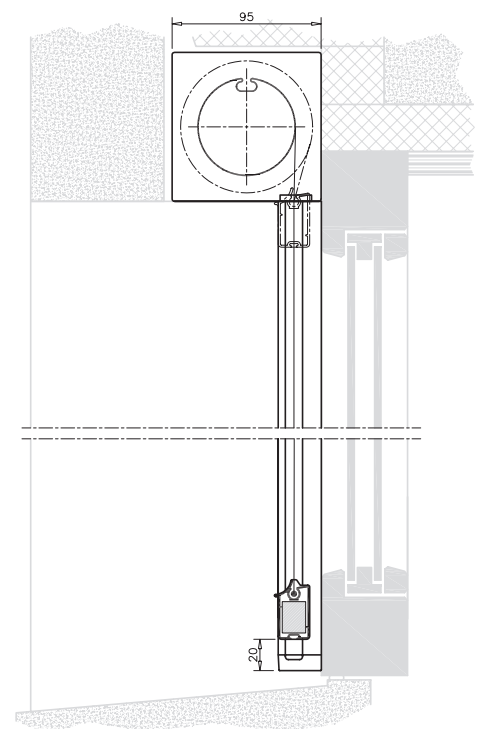
85 = width 2600 mm x height for cable guide of 3000 mm / aluminium guide 3400 mm

95 = width 3500 mm x height for aluminium guide of 4000 mm

HunterDouglas® ProScreen can be used as a built-on or, depending on the size of the design, built-in system. With the built-on system the head box is mounted externally around the window profile or on the façade. With the built-in system the “head box” is mounted behind the façade.



Built-on system



Built-in system

Components

FINISH

The base material of the HunterDouglas® ProScreen boxes is extruded aluminium with a white anodised finish or powder coated in any RAL colour.

The ProScreen head boxes are fitted with an end cap at both ends, made from cast zinc alloy. End caps are coated in RAL 9022 in combination with a white anodised head frame.



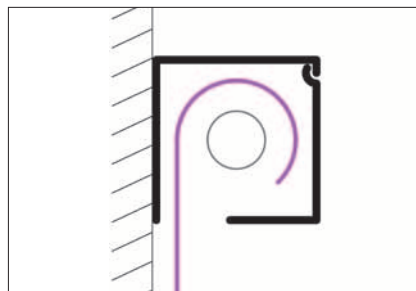
Built-on system

STANDARD AND CONTRA ROLLING

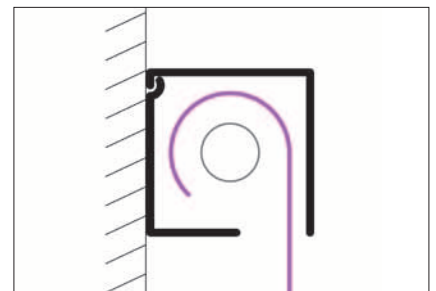
The HunterDouglas® glass fibre fabric can be rolled out from the HunterDouglas® ProScreen head box in two ways, namely:

- Standard rolling (back rolling)
- Contra rolling (front rolling)*.

* Only available in the square profile ProScreen head boxes.



Standard rolling

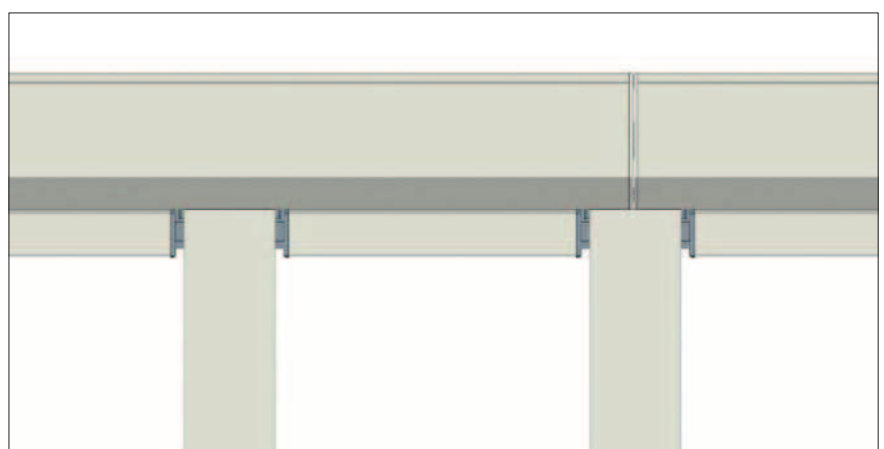


*Contra rolling**

COUPLING SYSTEMS

HunterDouglas® ProScreen offer the ability to couple two or three lateral guide systems together and to operate them with a motor. This coupling can be enclosed in a continuous head box (75 or 85) or separate head boxes can be linked to each other laterally (75, 85 and 95).

Where the ProScreen head boxes are coupled there is a gap of at most a few millimetres between the individual screens.



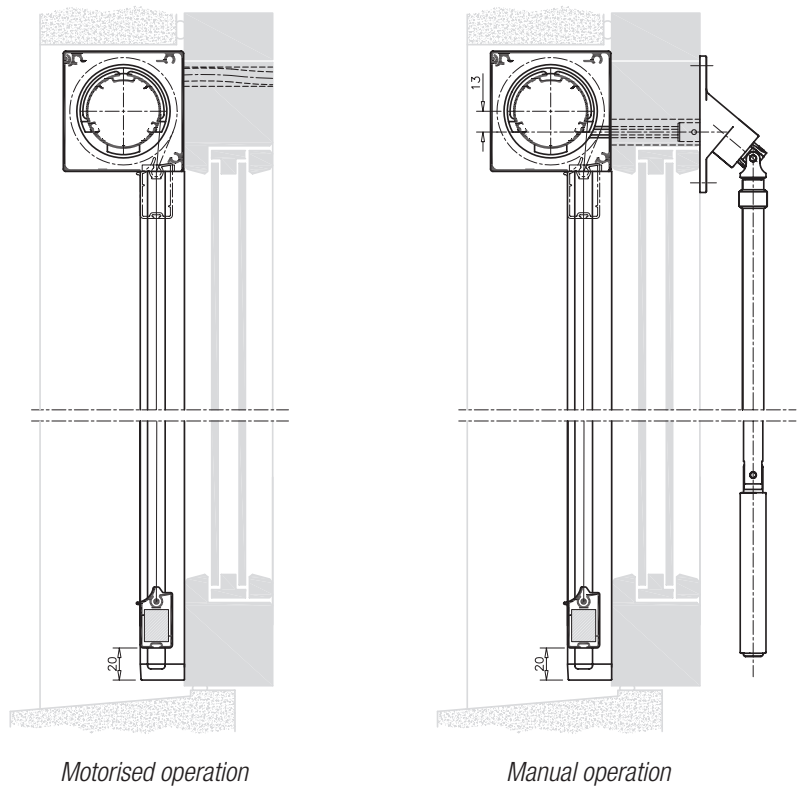
Coupling with continuous head box and separate head boxes

Control mechanism

HunterDouglas® ProScreen can be operated in a variety of ways:

1. Motorised operation by a 230V motor, available in a range of designs and operated by:
 - a switch
 - a control system with a sun and wind sensor
 - a bus (building management) system.
2. Manual operation with a rod mechanism.

Head box type	75	85	95
Manual	x	x	
Motorised	x	x	x



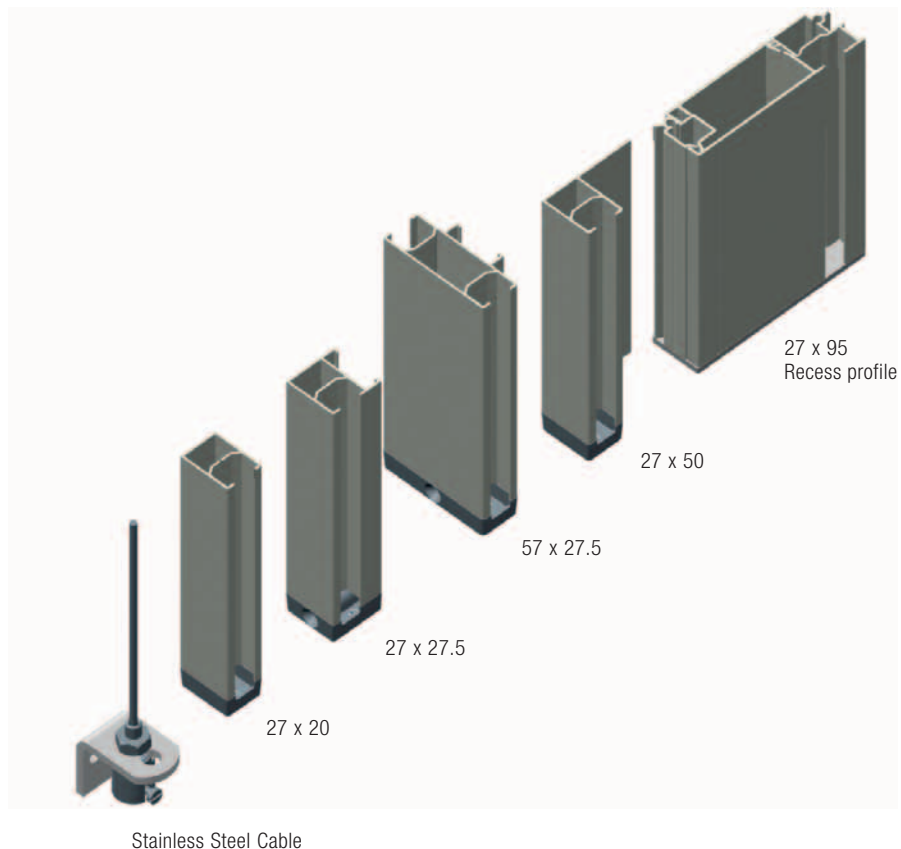
GUIDE SYSTEMS

HunterDouglas® ProScreen provides six possible guide systems using two technologies.

1. Stainless steel cable guide
2. Extruded aluminium lateral guides.

The extruded aluminium lateral guide profiles are fitted underneath with a black end cap, with the exception of the “Recess” profile.

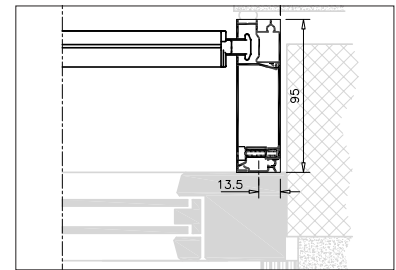
Each type of guide system has been developed for a specific application or mounting method.



Control mechanism

RECESS

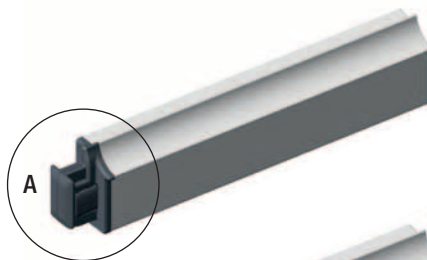
Proscreen box type 95 can also be used in a “recess” installation. A guide system that is mounted on the outer wall sealing it fully.



Recess

BOTTOM RAIL

HunterDouglas® ProScreen offers the choice of four types of bottom rail. The 20 x 38 mm bottom rail, for use with the aluminium guides (type A), is fitted with a patented guide block to minimise noise from vibrations.



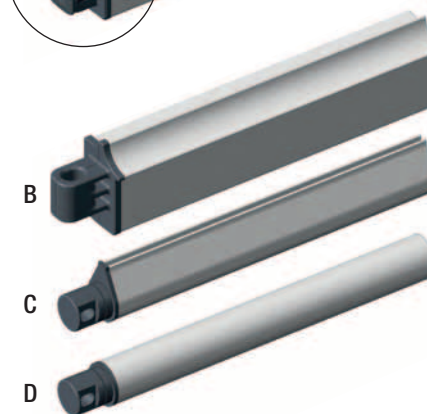
For aluminium guides.
Aluminium 20 x 38 mm.
Fitted with our patented noise reduction.

FINISH

The bottom rail can be finished in a range of ways, specifically;

- white anodised
- powder coated in the desired RAL colour
- finished in the pocket of the HunterDouglas® glass fibre fabric (type D).

The HunterDouglas® glass fibre fabric is the same width as the bottom rail.



For cable guides.
Aluminium 20 x 38 mm

Aluminium and cable guides.
Aluminium 18 x 25 mm

Aluminium and cable guides.
Steel Ø18 mm



Above: Warsaw Business Garden office buildings - Location: Warsaw, Poland - Architect: JSK

HUNTER DOUGLAS ARCHITECTURAL PROJECTS

In the last 50 years, we have been fortunate enough to help turn countless innovative ideas into products for innovative buildings. With major operation centres in Europe, North America, Latin America, Asia and Australia we contribute to thousands of high-profile projects including shopping centres, airports, government offices, hospitals, universities and offices.



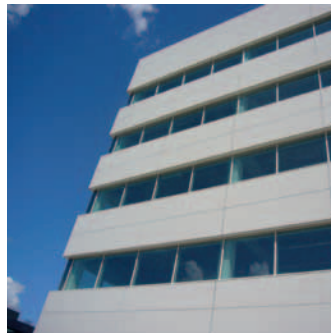
▲ WINDOW COVERINGS



▲ CEILINGS



▲ SUN CONTROL



▲ FAÇADES

ARCHITECTURAL SERVICES

We support our business partners with a wide range of technical consulting and support services for architects, developers, and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colours and finishes.

We also help creating design proposals, visualisations, and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

**Innovative Products
Make Innovative Projects**



Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.



Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.



Learn More

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