

ADVANCED DAYLIGHT FILTERING SYSTEMS

Forest[®]
Climat Screen

For the most **COMFORTABLE**
INTERIOR CLIMATE *with an*
EXCELLENT VIEW *outside*



There is often a lot of glass in modern buildings. It is therefore a challenge to create a pleasant working environment. In the summer it soon gets too hot, so people cannot concentrate on their work. Furthermore, during winter it is not easy to heat up large spaces quickly, and a building loses heat through large windows.

Forest offers a sustainable solution with Climat Screen; a daylight filtering systems with a high insulation value, which largely keeps the solar heat out in the summer and keeps the heat indoors during winter.

The system also ensures contrast-free lighting conditions and filters daylight, therewith eliminating all glare and reflections. Furthermore, Climat Screen does not darken the space. There are various advantages, including simple climate control, a considerable saving on energy costs and more control over light regulation.

MAKES YOUR OFFICE MORE ENVIRONMENTALLY SUSTAINABLE

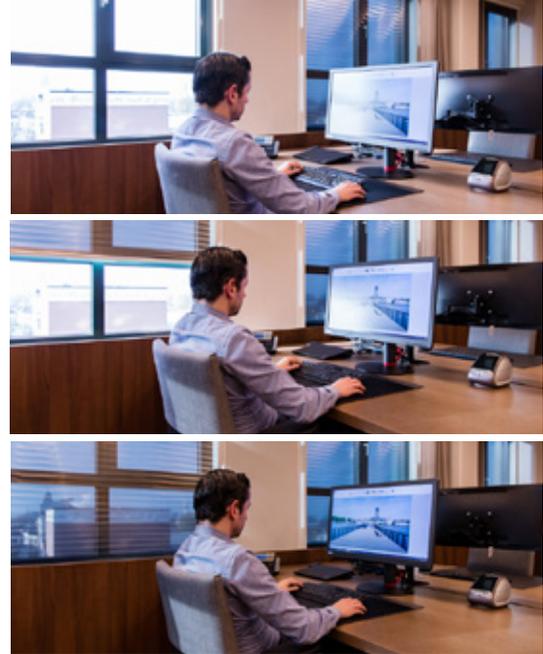
Climat Screen consists of a foil that has been applied with a special hammering treatment that ensures that sunlight is reflected by about 80 percent. The horizontal folding and hammering treatment provide stability. In contrast to other types of film, the exterior view of your building remains perfect as well.



Due to the metal layer on the outside of the Climat Screen, the infrared light from the sun is reflected immediately. Infrared is part of the electromagnetic spectrum. When this falls on a surface (sunscreen, window or skin), this energy is converted into heat. The reflective layer of the foil ensures that this radiation does not have the chance to be absorbed.

COOL DURING THE SUMMER, COMFORTABLE DURING THE WINTER

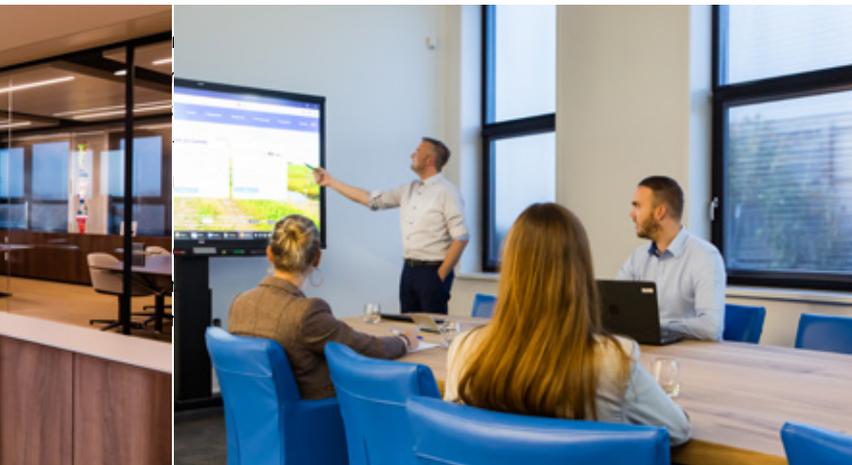
Tests by TNO, The Netherlands Organisation for applied scientific research, have shown that Climat Screen functions optimally in terms of heat penetration. The foil of the daylight filter system reflects sunlight by about 80 percent, which keeps it nice and cool inside. In addition, the K value of the glass increases by approximately 30 percent when using Climat Screen. This means that the heat dissipation, via the glass to the outside, is drastically reduced. This is because a stationary layer of air remains between window and foil, which ensures insulation (25 to 30 percent less heat loss). The result is a cool room in the summer and a pleasantly warm room in winter.



Beautiful, **NATURAL** light

The big advantage of Climat Screen is that it does not darken the space, but it removes all possible annoying glare, reflections in screens, whiteboards and digital whiteboards. In addition, users can regulate the amount of light themselves. This provides a pleasant environment in which people can do their work unhindered and reduces fatigue. Climat Screen is available with different types of films, depending on the need for more or less light transmittance and external view. There is also a dim-out version available. The additional advantage is that the outside view is the same for every type of film.

The system-wide bottom bar on the underside of the screens runs inside vertical guide rails. This ensures a tight finish and prevents light leakage from the sides.



Three **CLIMAT SCREEN** systems

Thanks to the compact size of the cassette, these types of daylight filter systems can be installed in almost any window frame, even in existing buildings, both 'inside frame fix' and 'face fix'.

EXTRA COMPACT

A cassette of only 33 x 33 mm with a roll-up capacity of 200 cm.



COMPACT

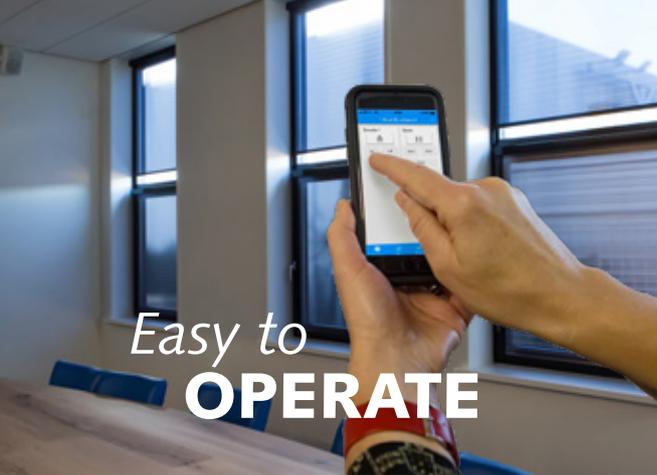
A cassette of only 50 x 50 mm with a roll-up capacity of 320 cm.



TWIN

Consists of two layers: a screen and a blackout roller blind or a blackout foil. Screen and curtain / foil both sit inside the same cassette, but can be operated separately.





Easy to
OPERATE

All screens can be raised and lowered by means of an endless chain, which is infinitely variable. The system is also self-braking. If you prefer more comfort we offer an option to have the system run on AC power or on batteries. The batteries supply electricity for about a year and can be charged via a USB port or by means of solar cells. With the electric variants you will receive a remote control, but you will also be able to operate it via an app on your smartphone/tablet. So you can easily operate the screens from behind your desk or when you are in a meeting.



CONTROL OPTIONS

- with endless chain (and cord stopper)
- motorised (mains or battery)
 - with remote control
 - via app (Smartware)

Choose your **SPECIFICATIONS**

TRANSPARENCY

The amount of light that falls through the systems from outside to inside is determined by the thickness and transparency of the screens. There are three types of light transmission:

- 0R: black-out
- 2R: (60 mu thick)
- 10R: most transparent (40 mu thick)

STABILIZATION

By applying horizontal folds in the foil, it achieves a higher stiffness. The subtle folds ensure stabilization and a beautiful, calm-looking pattern. The foil is also equipped with a special hammering finish (prisms). The folds can be applied in the following dimensions:

- 25 mm
- 40 mm
- 60 mm

COLOURS

All types are available in four colours:

- bronze-silver (2R and 10R)
- grey silver (2R and 10R, also in B1 quality, fire retardant)
- white-silver (0R)
- silver-silver

CASSETTES

The cassettes are available in:

- 'Technical silver' anodised or powder coated in RAL 9001 or 9003 (standard option)
- In any desired RAL colour (surcharge)

The **BENEFITS**

- Improves your working environment
- Completely clear view to the outside
- Energy efficient for sustainable buildings
- Glare control: annoying reflections in screens are a thing of the past
- Reduces energy costs
- Contributes to EPN (energy performance standardization)
- Infinitely adjustable, both manually and electrically
- Beautiful, sleek exterior view and contemporary-looking interior

CONVINCE *yourself*

Contact us for the possibilities of a free trial placement.



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FOREST[®]
DRAPERY HARDWARE