

sustainable and healthy living comfort

EasyLiving

DAYLIGHT

Take control of daylight with sun protection

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Solar screens: sustainable, energy-efficient and installed in no time

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Screens and ventilation: the perfect pairing

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Tips + tricks for the best indoor climate

RENSON®

EasyLiving
DAYLIGHT

Let the light in and keep the heat out.

To truly make the most of the sun every day, Renson has been developing high-quality external sun protection for every window and every project for over 20 years. With screens, brise soleil, sliding panels or fixed blades in front of the window, you're in charge of the sunlight coming into your home. Free heat from the sun in winter without overheating in summer? Check. More privacy without that claustrophobic feeling? Double check. Goodbye annoying reflections and screen glare? Check, check, check.
In this magazine, we'll show you how outdoor sun protection works; you'll learn why experts say sun protection is indispensable for any home with large glass windows, and how to protect your home from overheating. The sustainable, elegant and comfortable way.

Make the sun work for your home.

CHECK OUT OUR OTHER MAGAZINES TOO!





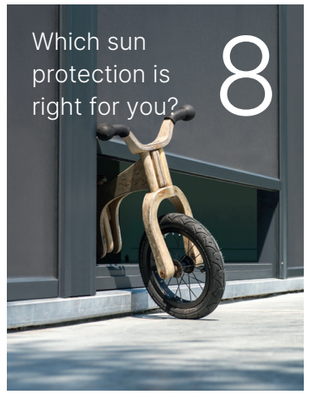


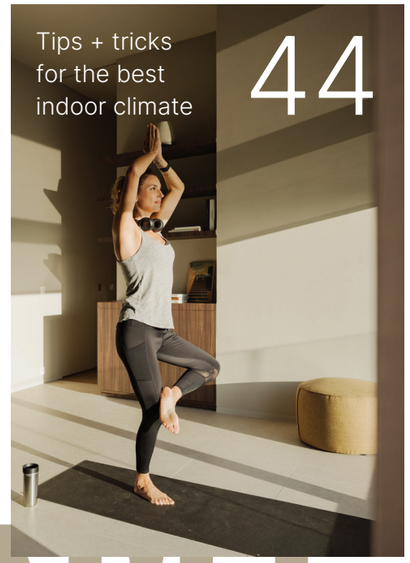
Healthy Air
The air we breathe all day long could be so much healthier. Let's show how **demand driven ventilation** can make a difference. Fully tailored to your home, of course.

Temperature
Want to keep your home comfortably warm all the time using nothing but the power of nature? **Sustainable heating and cooling can help you do just that.** Read all about heat pump technology for your everyday life.

Vision
Subtle and elegant or a bold statement? Express yourself with our easy-to-use and sustainable aluminium **façade cladding**. Find the inspiration you need in this magazine.

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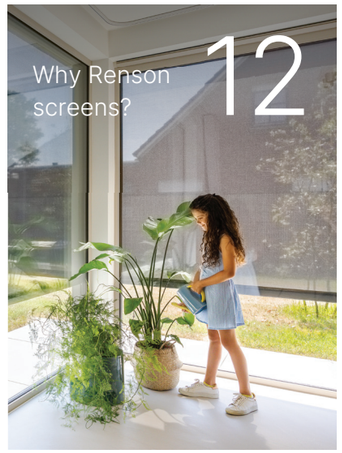
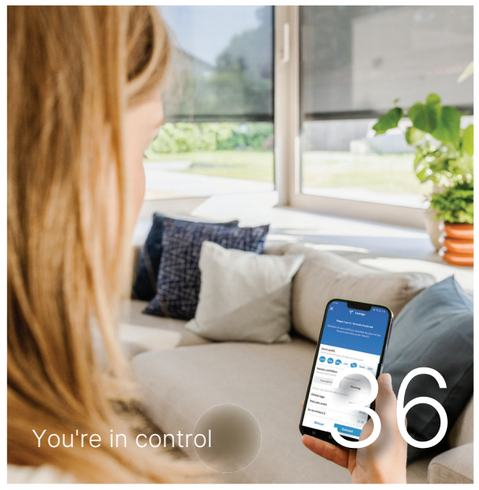
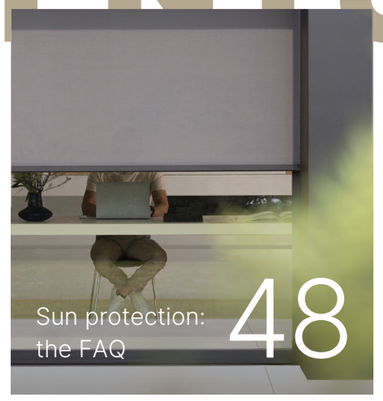


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Overheating indoors? The problem in figures

10% 90%

We spend an average of **90%** of our time indoors. And that makes a comfortable indoor temperature all the more important.

-10°

In Western Europe, outdoor sun protection can help keep your home **up to 10 °C cooler** during the summer.

19°-22°

Most people prefer the **indoor temperature to be around 19-22 °C**. This differs from person to person, of course.

x2

2025 2050

According to Niels Souverijns, a climatologist at VITO, we could realistically see **double the number of hot days by 2050**.

20°

"During 'tropical nights', when the temperature does not drop below 20 °C, our bodies do not get the chance to recover overnight." *Samuel Helsen – Climatologist*

175.000

Every year, the **effects of extreme heat kill** more than 175,000 people in Europe.

+10°

The temperature in our cities is up to 10 °C warmer than in the countryside. This phenomenon is called the heat island effect.

-60%

In addition, smart sun protection can **reduce the energy consumed** by air conditioning in European buildings by **up to 60%** by 2050. This could prevent up to 100 million tonnes of CO_2 emissions and save 285 billion euros. *(Source: Guidehouse)*

Want to make the sun work for you too? Contact us.

Sun protection prevents your home from overheating

Which sun protection is right for you?

Sun protection is a sustainable and smart investment in healthy living comfort. That said, what's the best solution for you? Read on to find the answer to that question.

Indoor or outdoor sun protection?

The difference is just as simple as it is impactful: outdoor sun protection blocks the sunrays before they reach the glass. Indoor sun protection only blocks those rays once they are already inside (through the glass). By that time, the 'greenhouse effect' that makes it unbearably hot inside is already in motion. And that's exactly why outdoor sun protection is the smartest choice.



Screens or roller shutters?

The most efficient way to keep out heat from the sun is to block any rays before they can reach your windows. While they're still outside, in other words. Both screens and roller shutters do a great job at this. Even so, there's a marked difference to your living comfort. With the shutters down, you're left in the dark inside on fine summer days, while with the screens down, you still get to bask in daylight. On top of that, you can still see outside — and that's worth something too!





Screens, brise soleil or sliding panels?

If you want to control the sun at any time of year while still making the most of the light it brings, screens are a great choice. You can move them up or down whenever you wish, or automate them to suit the needs of your home. If you're thinking sun protection could serve as an extra eye-catcher on your façade, you're absolutely right: a brise soleil above the window or sliding panels in front of it are a great way to add that finishing touch to the design of your home. Both solutions are equally efficient as they prevent the sun from shining directly on your windows.

What are screens?

A screen consists of sun protection fabric on the outside of your window. It prevents sunrays from reaching the glass — the ultimate way to stop overheating.

CONCLUSION



Outdoor sun protection is the most efficient solution to prevent overheating indoors.

Sun protection

the most efficient solution against overheating

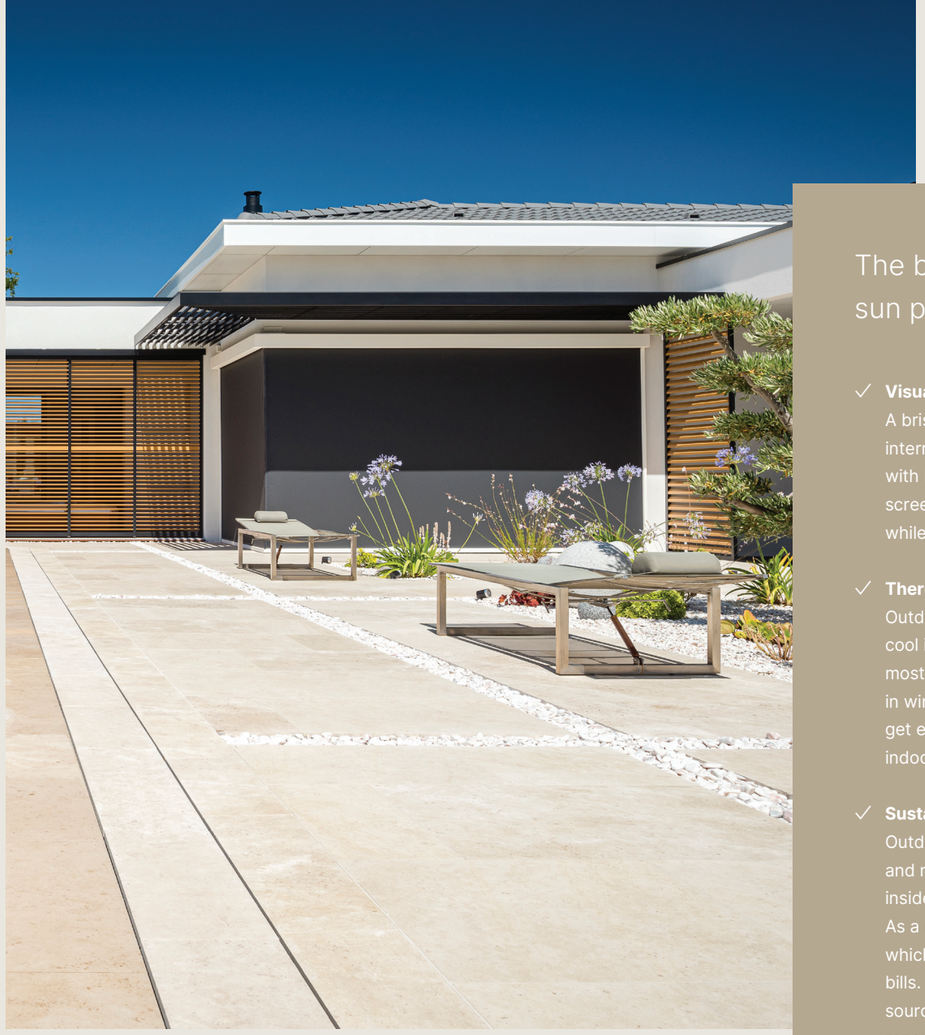
Who doesn't love the sun? If you can grab a moment to cool off inside whenever you feel like it after sunbathing, walking or barbecuing, that is. Enter outdoor sun protection: with a suitable system in place, you're in charge of how much sun you allow into your home and where, at any time. Daylight and comfort in perfect balance.

Did you know...

... that outdoor sun protection blocks as much as 90% of the sun's heat? Compare that to indoor sun protection, which only stops 35 to 65%.

There's a huge range of options to choose from when it comes to sun protection. That said, some systems are more efficient than others. Indoor sun protection only blocks sunrays once they've passed through the glass, when some of the damage has already been done. And that's before we mention the other drawbacks. Curtains do a great job at keeping the sun out, but unfortunately, they do the same with daylight. Sun protection glass is not the most efficient solution either, and on top of that, it distorts the daylight spectrum, which can mess with your circadian rhythm. So take it from us: screens bring together the best aspects of all those solutions in one user-friendly concept.





The benefits of outdoor sun protection

- ✓ **Visual comfort**
  A brise soleil provides shade without interrupting sightlines. Sliding panels with blades offer extra privacy. And with screens, you get to block out the sun while still enjoying daylight inside.
- ✓ **Thermal comfort**
  Outdoor sun protection keeps your home cool in summer and helps you get the most of the warmth provided by the sun in winter. With automated controls, you get effortlessly to enjoy a comfortable indoor climate and lower energy costs.
- ✓ **Sustainability**
  Outdoor sun protection is built to last, and more importantly, prevents the inside of your home from getting too hot. As a result, you save on air conditioning, which in turn reduces your energy bills. And with a solar cell as a power source, you can even take advantage of renewable energy.

Subtly integrated or as an architectural accent

Your home comfort matters — we get that. At the same time, we don't believe there is any need to compromise on style. Renson screens blend perfectly into any façade thanks to their slim profiles, a vast choice of fabrics and colours and smart technologies.

If you fancy a little bit extra, structural sun protection adds efficient shading and an elegant touch to your home all at once, whether you go for a sleek brise soleil or charming sliding panels in front of your windows.





Why choose Renson® screens?

With screens for any budget and every type of window, you're in the driver's seat. Whatever option you go for, you're guaranteed to get the best out of the sun all year round.

Outside view and privacy
You can see out, but no one can see in: with screens, you enjoy more privacy without losing contact with the outside. What's more, our blackout screens are the perfect solution for your bedroom.

An eye for design
Compact and sleekly designed fabric head boxes, narrow side guiding channels and a wide choice of colours for both the fabric and aluminium components. All the ingredients you need to completely personalise your sun protection sun protection fabric.

Taut fabric that is made to last
The Fixscreen and Smooth technology built into Renson screens keep the fabric perfectly taut year after year and guarantee you get a solution that's built to last at the same time.

130 km/h

Extremely wind resistant
With its ingenious zip system — our Fixscreen® technology — the fabric sits fully taut and windproof in the side guiding channels, whatever position it is in. Tested in our wind tunnel and proven up to wind speeds of up to 130 km/h.

Enjoy every season
Dynamic as they are, screens bring the best of the outdoors into your home all year round. In summer, you get to keep the heat out. In winter, you can still make the most of that free warmth from the sun. A win-win situation, whatever the season.

High-quality finish, easy to operate
In terms of design and finish, there's nothing quite like Renson screens. There's an abundant range of choice in terms of controls too: from handheld transmitters to wall switches, or fully integrated with your home automation system. See p. 36

What are the benefits of structural sun protection?

What do you get when you pair the practical (sun protection) with the useful (architecture)? Renson's structural sun protection, of course!

What is structural sun protection?

Structural sun protection is outdoor sun protection made of low-maintenance and durable aluminium that lends your façade more architectural allure.

Unobstructed outside view
A brise soleil above the window provides the shade you need, without obstructing your view of the outside world. The perfect way to shut out the sun in style! If you want a little extra privacy, sliding panels in front of your windows provide just that.

Added aesthetic value
Structural sun protection lends your façade more character. With our choice of different looks and installation methods, a perfect match with your architectural style is guaranteed.

Natural light to suit you
The exact angle at which the blades in a brise soleil are fixed depends on the sunlight you get. The 'privacy' version of our sliding panels, on the other hand, allows you rotate the blades yourself to let in just as much light as you want.



New or existing windows: which screen is suitable?

Our Renson experts are happy to advise you on how to choose the perfect screen for you. This page offers an overview of the options in terms of vertical, horizontal and structural sun protection — all tailored to your project, of course. Whether your main focus is on design, product specifications or budget; wind resistance, durability and quality are always paramount.

Did you know...

... that screens can also be useful in a free-standing structure? Under a patio cover or balcony, they protect against both sun and wind. With wind resistance of up to 100 km/h, you stay comfortable without compromising on quality.

Three installation options

1

Surface-mounted
Surface-mounted screens are discretely installed in front of existing or new windows.



2

Solar-powered screens
Solar screens are surface-mounted screens that run on solar energy. No power cord needs to be connected.



3

Recessed
Built-in screens are incorporated into the façade together with new windows.



3 times Fixscreen, 3 times windproof fabric sun protection made to measure

Fixscreen® Go

Budget-friendly quality

With Fixscreen Go, you can enjoy the same reliable Renson quality, but in a more budget-friendly version. Ideal for those who want to save on energy and enjoy coolness and comfort in their home.

See also p. 26



Fixscreen®

Refined comfort since 2005

Fixscreen was the first windproof fabric awning on the market. Its sleek design and sophisticated zip technology ensure that the fabric remains firmly in the guides, even in strong winds. A solution that has been demonstrating what reliable sun protection stands for for years.

See also p. 30



Fixscreen® Minimal

Minimalist design, maximum possibilities

Fixscreen Minimal allows your sun protection to blend seamlessly into the sleek, modern design of your home. The compact fabric box and slim side guides fit seamlessly with minimalist windows and large glass surfaces.
Pure simplicity, without a single visible screw.

See also p. 28



Renson® screens for special window types



Horizontal screens

A skylight or roof lantern is easy prey for the high sun. Our **Topfix range** protects these windows well, up to 30 m² in one section. The revolutionary tensioning technology keeps the screen perfectly taut at all times, even at wind speeds of up to 120 km/h. Renson's horizontal screens also come in a solar-powered version **(Topfix Solar)**.



Screens for corner windows

Glass-on-glass corner windows are a popular choice in minimalist architecture, so it would be a real shame if the side guiding channels on any screens were to disrupt that sleek look. **Panovista Max** zips together at the corner, with no middle profile or cables detracting from the look. Even the bottom bar disappears into the head box once the screen is completely rolled up. Panovista Max is available to cover total surfaces of up to 30 m², with wind resistance of up to 90 km/h.





The best screen for your home? Scan the QR code to find a Renson ambassador near you.

Vertical and horizontal fabric sun protection: an overview

	VERTICAL FABRIC SUN PROTECTION												HORIZONTAL SUN PROTECTION				
	Fixscreen® Go	Fixscreen® Go Solar	Fixscreen®	Fixscreen® Solar	Fixscreen® Mono AK	Fixvent®	Fixscreen® XL		Fixscreen® Minimal	Fixscreen® Minimal Solar	Panovista®	Panovista® Max	Topfix® (Solar)	Topfix® Large (Solar)	Topfix® Max	Topfix® VMS	Vegascreen®
Application																	
Front end	✓	✓	✓	✓	✗	✗	✓		✓	✓	✓	✗	✓	✓	✓	✓	✓
Integrated	✓	✗	✓	✗	✓	✓	✓		✓	✗	✓	✓	✗	✗	✗	✗	✗
Free-standing	✗	✗	✓	✗	✗	✗	✓		✓	✗	✗	✗	✗	✗	✓	✗	✗
Dimensions																	
Maximum dimensions (WxH in cm)	400 × 400	300 × 250	600 × 360 320 × 600	400 × 400 500 × 200	400 × 350	400 × 300	700 × 350		600 × 400 360 × 600	400 × 250 320 × 300	400 × 280 Per part	600 × 340 Per part	400 × 300	600 × 500 500 × 600	600 × 500 500 × 600	400 × 300	450 × 600
Maximum blackout fabric dimensions (WxH in cm)	400 × 400	300 × 250	600 × 260 400 × 400	200 × 270	200 × 270	200 × 270	✗		400 × 400	320 × 250	✗	✗	400 × 300	✗	600 × 500 500 × 600	✗	✗
Maximum surface area (m²)	16	7,5	22	10,8	14	12	21		27,8	10	22,4	30	12	30	30	12	27
Specific applications																	
Couplable	✗	✗	✓	✗	✗	✗	✗		✓	✓	✗	✗	✓	✓	✓	✓	✓
Acoustically insulated?	✗	✗	✗	✗	✓	✓	✗		✗	✗	✗	✗	✗	✗	✗	✗	✗
Made for glass-to-glass corner windows?	✗	✗	✗	✗	✗	✗	✗		✗	✗	✓	✓	✗	✗	✗	✗	✗
Fabric sun protection and window ventilation grille in one?	✗	✗	✗	✗	✗	✓	✗		✗	✗	✗	✗	✗	✗	✗	✗	✗
Wind resistance																	
Up to (km/h)	130	130	130	130	130	130	100		130	130	37	90	120	120	120	120	✗
Free-standing up to (km/h)	✗	✗	60	✗	✗	✗	100		100	✗	✗	✗	✗	✗	120	✗	✗
Warranty																	
Product warranty (years)	5	5	5	5	5	5	5		5	5	5	5*	5	5	5	5	5
Warranty on Fixscreen zip technology (years)	7	7	7	7	7	7	7		7	7	7	7*	7	7	7	7	7
Warranty on free-standing Fixscreen zip technology (years)	✗	✗	5	✗	✗	✗	5		5	✗	✗	✗	✗	✗	5	✗	✗
Coating warranty (years)	10	10	10	10	10	10	10		10	10	10	10	10	10	10	10	10

** subject to annual maintenance*



Newbuild or renovation, what you're going for is a comfortable home. If you want to enjoy the end result to the fullest every day, it's a good idea to include sun protection in your plans as early as possible. After all, there's no better way to protect your home — and yourself — from overheating, reflections and other unwanted effects of the sun.

Newbuild or renovation? Trust the Renson® reflex





Think about sun protection early

Insulation and airtightness are top of the list these days when you're building or renovating something with the future in mind. And rightfully so! Be that as it may, any incoming heat from the sun will struggle to escape a well-insulated and airtight house. With the number of hot days going up every year and heat waves coming round at an ever-increasing rate, it's better to make allowances for those effects right from the earliest stage of your project. That way, your newly built or renovated home will be as comfortable as it is stunning, all year round, without sky-high cooling costs.

Get the most from the sun

Want to really make the sun work for you? Renson's Solar screens go the extra mile by adding solar-powered controls into the mix. The solar cell on top of the screen fabric head box generates all the energy you need to raise and lower your screens. Sustainability, elevated.



Renovation projects

Minor home improvements or a complete overhaul: a renovation project offers the ideal opportunity to go all out on everyday comfort. With sun protection, comfortable indoor temperatures come naturally — without energy-hungry active cooling. The downsides? None at all.

Fabric sun protection when renovating: just do it.

When you're renovating, there are two ways to integrate sun protection. The best installation method for your project depends on whether or not you'll be replacing the windows.

existing windows

surface-mounted

Even if you keep your existing windows, you can equip them perfectly with fabric sun blinds. The screen is then mounted in front of the window frame, in the “day side” of the window. The same is also perfectly possible with new windows if you do not have enough space for sun blinds in the cavity wall. Even if you keep your existing windows, you can equip them perfectly with fabric sun blinds. The screen is then mounted in front of the window frame, in the “day side” of the window. The same is also perfectly possible with new windows if you do not have enough space for sun blinds in the cavity wall.

new windows

recessed

If you decide to replace the windows, you can have your sun protection fabric installed along with your new windows, as a single unit fully built into the façade. Important: while you are renovating, make sure you arrange for the necessary power outlets sockets near your windows to power your screens.

Tip

If you opt for solar screens, you don't even need to install additional sockets.



Solar screens: sustainable, energy-efficient and installed in no time

The best way to protect yourself from the sun is to harness the power of the sun. Confused? No need to be: that's exactly what Fixscreen Solar is all about. The best of Renson Fixscreen with solar-powered controls as a bonus.



The fabric head box in Fixscreen Solar contains a solar cell. Aside from the green power this generates, the main advantage is that there's no need for electrical wiring. In other words, you don't need a power outlet or socket. For retrofitted systems on existing windows or renovation projects in particular, that's a major bonus. The installer can fit the screen in no time and doesn't even have to enter your home to connect it. So you get to take that day off to do something fun instead!

How does a solar-powered screen work?
So, how exactly does this type of screen work? It's simple, really: the solar cell captures sunlight and converts it into energy to charge the battery. Even when the sun doesn't shine, this stored energy makes it perfectly possible for you to operate the screen as normal. There's only one condition: the solar panel must be able to capture enough daylight. A Renson expert near you will be happy to check if Fixscreen Solar is suitable for your windows, depending on the location of your house and the orientation of the windows to be protected.

Discover the screens of the future

The advantages of solar-powered screens

- ✓ The sustainable option
- ✓ Easy to install
- ✓ Save energy
- ✓ Comfortable indoor climate





Fixscreen® Go Solar



Fixscreen® Solar



Fixscreen® Minimal Solar

Fixscreen Go Solar success story

Home upgrade with solar-powered screens

Sunlight messing with your everyday life? Add screens the simple way. No heavy-handed DIY required.

The story of the Antonissen-Verheyen family in Wuustwezel has all the classic traits: they didn't quite have the budget for screens when they embarked on their newbuild project. Plagued by annoying reflections from the sun, their sun protection plans were reignited a decade down the line. With its compact fabric head box and solar-powered electrical connections, Fixscreen Go Solar proved to be the ideal match for their contemporary home. Installer Danny Konings explains why screens are the smart choice, no matter the circumstances: *"Everyone wants to flood their home in daylight with large windows. Screens still let that sunlight in, but filter out the sunrays to prevent the heat and glare from getting in too. The slim design of the fabric head box means it hardly protrudes in front of the windowpane, so you can maximise the amount of light that comes in. What's more, it ensures the screens fit neatly into the façade."*

"The slim fabric head box fits perfectly into the façade and does protrude in front of the windowpane."

Danny Konings, Reno Solar Screens



View testimonial

What renovators say

Every renovation project comes with its own story. But if there's one thing these renovators can agree on, it's that screens were the right choice.



"We shouldn't think it is normal for it to get too hot inside in summer."

Laura Hottat, architect





"The side guiding channels are the same width as the window profiles, meaning they do not protrude beyond the windowpanes."

Wim Vermeersch, Vitralux

"Even in more traditional building styles, we can successfully integrate screens for an aesthetically pleasing result."

Dirk Moerman and Levi Deryckere, Demo+ Architecten.







Fixscreen Minimal success stories

Minimum impact on architecture.

Slender joinery is the key to a modern, sleek façade. Fixscreen Minimal respectfully complements that look.

Since having their screens installed, the owners have noticed a real difference in their home. So far, overheating hasn't been a problem on the top floor anymore. *"Quite the opposite: I've had to raise the outdoor screens on some occasions in spring, as it got too chilly and I wanted to let the sun in to help warm the space up. I guess that's another benefit of screens: you can control them exactly as you want,"* the owners explain. *"As soon as the sun comes through those windows, I lower the sun protection screens. They really help to keep the interior temperature just right, even on hot summer days. And that's before we mention the other big advantage: our view through the windows is never interrupted."*

Did you know...

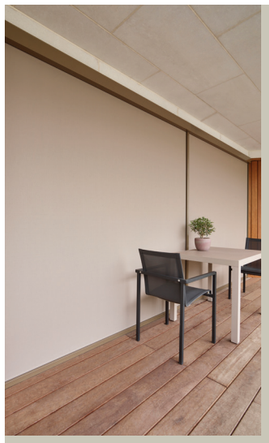
... that even though you can barely make out the compact Fixscreen Minimal fabric head box, it can handle large windows up to 27.8 m²?



Newbuild villa with overheating problem

What once seemed like a dream villa revealed its downside just a few years after completion, when excessive heat started making it nearly impossible for its occupants to feel comfortable in their own home. To tackle the problem, screens were retrofitted to the minimalist windows. Fixscreen Minimal — a brand-new product at the time, proved to be the right solution at the right time. With any other screen, both the fabric head box and the side guiding channels would have protruded in front of the windowpanes.





City flat with minimalist windows cried out for sun protection

A flat that's all south-facing windows in the heart of Ghent: as much as this pace is drenched in sunlight all day long, its owners were increasingly drenched in sweat. Especially with minimalist windows designed to maximise the surface area of the windowpanes. Now that they've had Fixscreen Minimal retrofitted, the Roef family have finally been able to enjoy their home to the full. What's more, the sun protection fabric on their windows immediately became the standard approach for the rest of the building.



Newbuild projects

When you're building your own home, the first thing you think of is insulation, airtightness (got to keep those heating costs down!) and... big windows. Plenty of daylight is high on most people's wish list, after all. That daylight, however, often brings with it more heat than you'd want, so it's a good idea to consider outdoor sun protection right from the first sketch of your new home.

Large windows need efficient sun protection

Want your home to be flooded in daylight? Huge windows are what you need. But aside from plenty of daylight, they also bring in lots of excess heat, so it's well worth taking a moment to think about how to deal with that. Screens block sunrays before they even reach the glass and start heating up your interior. They also provide an instant answer to those pesky reflections and any glare on screens. All without blocking that precious daylight, of course.

Tip

Minimalist windows? Not a problem! Fixscreen Minimal respects and preserves the slender profiles of your joinery.
See also p. 28

Optimal façade integration

Considering sun protection in the earliest design stages of your new home is the best way to achieve optimal integration in your façade. The perfectly integrated side guiding channels and fabric head box result in screens that don't stand out, especially when they are finished in the same colour as your windows. Alternatively, you could opt for structural sun protection that allows you to make an architectural statement. Thinking about a well-placed and perfectly sized brise soleil in a strategic location or dynamic sliding panels? Your architect will be happy to include them in their design.

Smart sun protection keeps your interior cool and comfortable, even if you go for large windows.



The cheapest way to cool your home? Sun protection.

Once the heat has got hold of your perfectly insulated newbuild, the only way to get it out effectively is with active cooling. And before you know it, you're faced with a shock when the energy bill comes through the door. As always, prevention is better than cure, and Renson's outdoor sun protection just happens to be the best way to keep the heat out!

Read all about the “Ladder of Cooling” on p. 44.

Blackout screens for a uniform look

Plenty of daylight in your living spaces — that's the dream, right? In the bedroom, it can soon stop you from dreaming. And that's where blackout screens come in, giving you the best chance of getting some sleep, even during the hottest times of the year.

Just as Clark Kent transforms into Superman, room-darkening blackout screens for your bedroom possess invisible superpowers. On your façade, there's no way to distinguish them from the non-blackout sun protection fabric on your other windows. In other words, you won't notice any difference in your architectural style — but you will notice all the more difference in how well rested you feel in the morning. Sleep tight!





Fully connected

Picture the scene: your windows are in full sunlight but you don't know where you put the remote control. Or the clouds clear unexpectedly, but your screens are still open while you're not at home. These sorts of situations come around more often than you think! With our connected screens, there's no need to fear coming back to an excessively hot home. Simply lower any screen of your choice through the app and keep your head — and the rest of your body — cool.

Is complete peace of mind more your thing? With Renson's automatic Solmate control, you don't have to lift a finger to enjoy an optimal indoor climate at any time. Your sun protection fabric is smartly controlled based on the preferences you've set and the latest weather data, without the need for additional sensors. Read more p. 36.



Fully protected, even in extreme conditions

Kirkkonummi in southern Finland: an idyllic seaside spot straight of your dreams. Fortunately, for the brothers who own this extraordinary holiday home, those dreams come easily, courtesy of blackout screens.

In the bedrooms of this holiday home, the frameless windows stretch from floor to ceiling. A good thing then than the architect included screens in their design right from the start, so they could be nicely integrated even on the large windowpanes. With their room-darkening blackout fabric, these screens offer so much more than sun protection alone. In fact, they're essential for a good night's sleep in summer, when the midsummer night sun never sets. Better get planning that next holiday...



How to choose the right fabric for your screens

The way you dress defines you—and the fabric defines the screens.Here's all the info you need to make the right choice.

Dual function fabrics
Sun protection fabric is the most efficient way to protect your home from overheating. But it can do so much more than that. Some of our screen fabrics come with additional features: they can darken your bedroom, provide more privacy in your bathroom or keep pesky insects away from your patio.

Choose smart when it comes to colours

Strangely enough, dark fabrics block heat better than light ones and also guarantee a better view outside. But of course, colour remains a personal choice and is often matched to the joinery or façade.

Tip

When you decide to have the aluminium parts of your screens finished in the same colour as your windows, they hardly stand out, especially if you also build them into your façade.



Choose your fabric with our Screen Selector

1. First, choose the type of window you'd like sun protection fabric for.
2. Select the features that matter most to you: outside view, keeping the heat out, privacy...
3. You'll now see an overview of all available colours and fabric types.
4. Compare our fabrics and send your favourites to your device, so you can easily share them later on with a Renson Ambassador near you.

Use our Screen Selector



Did you know this?

The 'openness' or 'light permeability' of a screen determines the balance between the view outside, the daylight coming in, the level of sun protection and the level of privacy you get.

Sun protection fabric types

Fibre glass fabric

This is the fabric that's best suited for blocking sunrays, while still allowing light to pass through at the same time. This screen fabric is made of PVC coated fibre glass threads and is dimensionally stable, insensitive to humidity and heat, rot-free, and colourfast. Different types of fibre glass fabrics are available:

- **Sergé,** for an optimal balance between sun protection and outside view (5% openness).
- **Natté,** with a perpendicular weave and different look (3% openness).
- **Privacy,** which offers more protection from outsiders looking in (1% openness).

Polyester fabric

This type of fabric consists out of a fine mesh cloth with a fire-resistant PVC coating (fire rating M1). The result is an extremely stable fabric that deforms very little under stress. As such, polyester is ideal for horizontal sun protection fabric systems with tensioned fabric such as Topfix (Max & Large). For Fixscreen, we also offer Veozip, which combines thermal comfort with a natural look and feel, partly due to the use of hemp fibre.

Blackout fabrics

Blackout fabrics offer the sun protection of your dreams in bedrooms. Our blackout fibre glass fabrics and polyester fabrics look like our standard fibre glass fabric **(Satiné 21154)** or polyester fabric **(Soltis B92)** fabric from the front. On the reverse side, these fabrics are fitted with a blackout PVC coating that completely blocks any light.



Control your sun protection exactly as you prefer

Smartphone or remote control in hand, a switch on the wall, or fully automated: how you control your screens is entirely up to you.

Operating methods



Wireless remote control
Operate your screens without leaving the sofa with this handy and elegant remote control. Linking our remote to multiple screens couldn't be easier either.



Wireless wall switch
A battery-powered wall switch gives you more freedom. You can position it anywhere you want, without having to think about wiring. The adhesive strip on the back makes our switch quick and easy to install.



Wired wall switch
A classic, wired-in, push-button switch, fitted close to your screens. As simple as it is efficient.



Home automation
Automate the operation of your screes via your building management system for complete peace of mind. No more sleepless nights worrying about an optimal indoor climate.

Thinking about smart controls using Renson Solmate? Read more on the next page.

Success story

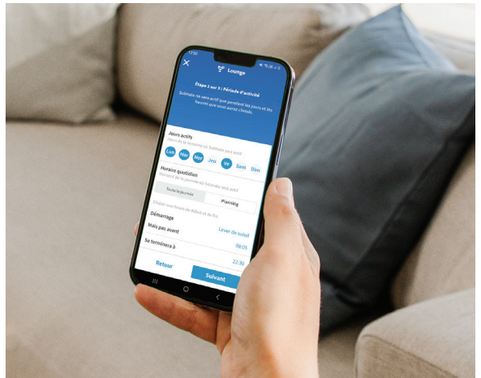
Smart screens and night cooling

Sun protection was an obvious choice for Leonis Dedeyne during his renovation. 'We didn't hesitate for a second about installing screens on the south-facing windows. To reduce the temperature by a few extra degrees, we also had night cooling grilles installed.'

What started out as a modest renovation turned into a total renovation for the Dedeyne family. *'Instead of patching things up, we opted for renewal. We thought long term and wanted a sustainable result. The choice for fabric sun protection also stemmed from that mindset*,' says Leonis.

Automatic control
Renson's Fixscreens proved to be the ideal match. *'What's more*,' he adds, '*thanks to the smart Solmate control system, they automatically respond to changing weather conditions based on the most up-to-date cloud data. We didn't even need to install a home automation system or additional sensors. In the app, we select our comfort level and set when Solmate can control the screens fully automatically. And we can override that control at any time. Although that rarely proves necessary. Thanks to Solmate, we always come home to the ideal indoor temperature.'*

Night cooling as a secret weapon
The screens prevent it from getting too hot inside. And when it cools down sufficiently at night, Leonis also opens the night cooling grilles. '*This type of intensive ventilation helps to cool the house down at night during hot periods, without consuming extra energy*,' concludes Leonis.



"We had the long term in mind, so we wanted a result made to last."

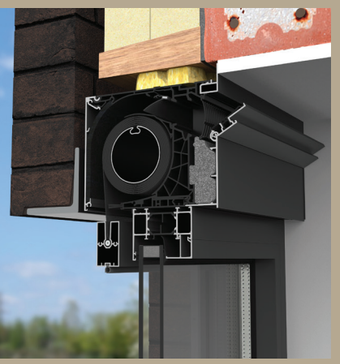
Leonis Dedeyne



Screens and ventilation: the perfect pairing

Comfortable temperatures and fresh indoor air are essential ingredients for a healthy indoor climate. Renson serves that formula for success on a silver platter.

Fixvent® = Fixscreen® + Invisivent®



Kill two birds with one stone! That's what we aim to do at Renson. **Fixvent is an aesthetically pleasing and comfortable solution that combines windproof sun protection with a natural supply of fresh air.** Includes Fixscreen and Smooth technology to keep your screen fabric taut up to 130 km/h and for smooth operation.

If you go for the Fixvent AK version, you also get to enjoy complete silence in your home. The **high noise reduction of up to 40 dB** is ideal for those living along a busy road or near other sources of noise. Healthy indoor air, comfortable temperatures indoors and blissful silence: the ultimate success formula for your peace of mind and your sleep.

Passive night cooling disguised as decorative aluminium wall cladding

The most important step you can take against overheating is to Block the sun before it reaches the glass and causes the indoor temperature to shoot up. That said, during long spells of hot weather, your home will inevitably start to warm up. At times like those, night cooling is the smart way to get the thermometer down a few more notches without brining active cooling into play. With night cooling, you 'flush' your home with cooler night air, so you can get up the next day feeling fully refreshed.

"Counter overheating though architecture? It can be done!"

Why not simply open the windows all night, you ask? It's an option, sure, but far from an ideal one, as it also invites pesky insects and maybe even burglars to come in. Fortunately, Renson's night cooling vents are insect and burglar-resistant. Simply open the shutters next to your door and/or windows once it has cooled down sufficiently outside. From the outside, all you'll see are stylish horizontal blades that even blend seamlessly into your façade cladding, if you wish.

For maximum impact, it is best to fit a night cooling vent at the bottom and top of a house or at the front and back of your flat. This creates a 'stack effect', in which the cooler outside air literally 'flushes' your home at night.





Read more about our ventilation and façade cladding in our Healthy Air and Vision magazines.



Bespoke structural sun protection

Sunclips® brise soleil

This sleek, minimalist and modern brise soleil is fully customised to the orientation of your façade and the height of your windows. The aluminium frame features elegant aluminium blades and is available in all RAL colours, so you're always guaranteed to find the perfect match.

You choose how your system is installed: horizontally above the window or vertically in front of it. Thanks to the colourfast, easily washable aluminium parts, everything stays looking neat and tidy for years.

A stylish and sustainable way to block out sunlight while adding architectural value to your home.





Loggia® sliding panels

With our Loggia sliding panels, you get sleek, minimalist and modern design that perfectly suits your home. You can fill the aluminium frame exactly as you wish: with horizontal blades in aluminium or wood, or with an elegant (screen) fabric. The colourfast and low-maintenance (easily washable) aluminium components are available in any RAL colour to seamlessly match your style.

The panels slide open or close as a single unit, telescopically, symmetrically or simultaneously for maximum flexibility. The Flexguide guiding automatically compensates for any height differences in the ground, so that everything moves smoothly and steadily.

Loggia sliding panels can be used in front of windows, under a patio cover or on a balcony: a versatile and stylish way to create shade and privacy.

Structural sun protection success story

Loggia® sliding panels: a real eye-catcher

Sun protection is essential, but it doesn't have to be a compromise. With structural sun protection, you can even turn this comfort booster into an architectural asset. Have you met our stylish Loggia sliding panels?





Renson's Loggia sliding panels combine the dynamic nature of screens with the architectural perks of structural sun protection. You simply slide the panels in front of the window to block the sunrays or slide them open for maximum sunlight. This gives you the freedom to create the best indoor climate in both summer and winter.

As with screens, sliding panels offer numerous options for customisation to suit your architectural style. You can choose between aluminium or wooden blades, for example.

Want to add more privacy to your stylish sun protection? Our rotating Privacy blades allow you to do just that.

Make them even simpler to use? The panels can be easily motorised. Just one push of a button or tap on your smartphone: that's all it takes to open or close your sliding panels. Our advanced Renson technology, a motor with obstacle detection and extensive testing guarantee smooth, trouble-free operation.

Did you know...

... that Loggia sliding panels are also the ideal way to stylishly protect your patio cover from the sun?

"These sliding panels bring the indoor temperature down by 3 to 5 °C at the end of the day. That truly makes a world of difference. Finished in the same colour as the façade, our sliding panels match beautifully with the bronze window frames."

Annelies Geens,
Moonarchitects

Tips + tricks for the best indoor climate

Home is the one place where you can unwind completely, but that can prove a bit of a challenge when it's stifling hot inside. These tips and tricks will help you give your indoor climate a nice little boost.



1 Climb the 'Ladder of Cooling'

The 'Ladder of Cooling' is a handy guide to keeping your home pleasantly cool, the smart and sustainable way. The higher up the ladder, the more energy you consume. The goal is to stay on the lower, energy-efficient steps as much as possible, and above all, to climb up in the right order.

There are four steps on the 'Ladder of Cooling':

1. **Create a cool environment around your home.** Examples include water features and plenty of greenery.
2. **Keep the heat out.** Carefully consider the orientation of your home and include passive interventions such as outdoor sun protection, shutters, a brise soleil or strategically placed trees and shrubs.
3. **Start with passive cooling, such as night cooling.** Keep everything closed during the day. Open windows and doors once it's cooler outside than inside at night.
4. **Only use active cooling such as air conditioning when all of the previous steps prove insufficient.**

As is always the case: prevention is better than cure.

2 Choose the right fabric for your comfort



A lighter fabric allows more daylight through, reducing the need for artificial lighting.



A dark fabric provides the best possible view of the outside.



A complete blackout fabric is the best choice for bedrooms.

Need advice? Contact a Renson Ambassador

3 Keep everything closed during the day

On hot sunny days, it's best to keep **all windows and doors closed and screens down during the day.** Only open everything up again in the evening, when it starts to cool down faster outside than inside.

4 Insulation keeps the heat out in summer

Well-insulated walls, roofs and windows slow down heat transfer, keeping your home cooler for longer — even on scorching hot days. That way, you save energy and boost your comfort all year round.



Read more about ventilation in our 'Healthy Air' magazine

5 Screens double up as insect mesh

Need some fresh air or want to take advantage of cooler temperatures outside? Feel free to open your windows. **With the screens down, pesky insects stand no chance.**



6 Regulate your mental energy and well-being with smart sun protection

Daylight plays an important role in how well you feel in yourself, and also helps you focus and be more productive. And we're not just saying that: research shows that people who get enough natural light every day are up to half as likely to experience low moods. What's more, daylight helps regulate your body's internal clock (through the production of serotonin), making you more alert during the day and helping you sleeping better at night.

Cleverly positioned windows or skylights can bring this vital daylight into the right places in your house. Even when you've got the screens down. At the same time, that sun protection fabric stops any glare and overheating caused by the sun. That way, it's truly a pleasure to spend time indoors.

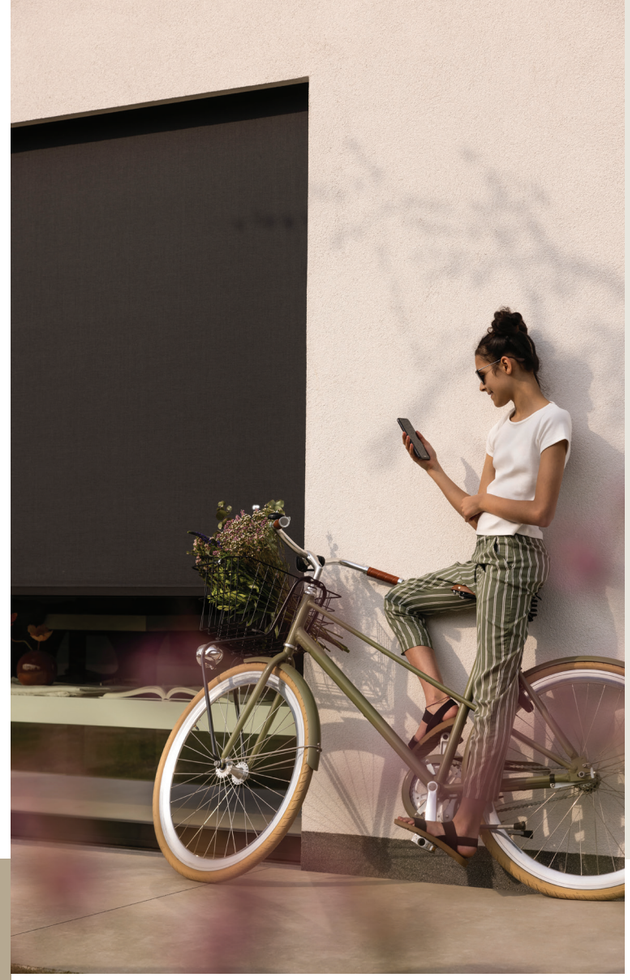
Did you know...

... that people who work in plenty of natural light are on average 15% more productive and make 20-25% fewer mistakes than people in rooms with only artificial light?

7 Outdoor sun protection and night cooling keep your home comfortable all year round

The perfect combination to prevent overheating indoors? Night cooling and outdoor sun protection!
Outdoor sun protection keeps the heat from the sun out during the day. In turn, night cooling (intensive ventilation at night) takes the thermometer down a few more notches by 'flushing' the house with cooler night air. This approach is sustainable, energy-efficient and genuinely makes a world of difference to your living comfort during hot periods.
By consistently opening the night cooling vents at night, you're guaranteed to wake up in a nice and fresh house in the morning.





8 A fan won't cool you down

Feeling the breeze from a fan on your skin may offer a sensation of cool, but make no mistake: **a fan does not make the room any cooler, it only moves warm air around.** That air displacement can feel great on your scorching hot skin, of course.

If you'd like to cool the room a little at the same time, try putting a tray of ice cubes in front of your fan. That way, the air it blows into the room will be slightly cooler. Every little helps!



9 Storm coming? No need to worry!

Come a spell of hot weather, come thunder, lightning and rain. Summer storms are an inevitable part of the warmer months of the year. Be that as it may, you're all good to leave your sun protection fabric down even during a storm, so the sun won't get the better of you once it passes. Renson screens are windproof up to 130 km/h.

130 km/h

10 Limit the use of air conditioning (and use it healthily when you do)

Air conditioning provides instant relief, but is far from the smartest choice. Active cooling may deliver increased living comfort, but it also results in **sky-high energy bills**. What's more, many people set their air conditioner too cold. Doing so creates **large temperature differences** when moving between the inside and the outside (or vice versa), and that's downright **unhealthy**. Once again, prevention is better than cure, and the best way to achieve that is by using outdoor sun protection. The more sustainable and healthier option, and one that's futureproof to boot.

Sun protection: the FAQ

There's no such thing as a stupid question, but there is such a thing as a frequently asked question. We've answered a handful of those for you below. If you have any further questions, you can always reach out to a Renson Ambassador near you.

Can I install sun protection myself?

Correct installation is essential for the proper functioning of your screens and to meet the warranty conditions. As such, **installation is a job for a specialist.** With our extensive network of experienced and dedicated Renson Ambassadors, you're bound to find a partner near you.

Get to know our ambassadors on p. 52-53.



How soon will my screens be installed after ordering?

All Renson screens are designed, produced and assembled at our headquarters in Waregem, Belgium. Installation is handled by our trusted network of local dealers and ambassadors, who ensure expert advice and personal service.

The exact timing is planned together with your installer, depending on their schedule. To be ready for the warmer months, we recommend contacting your local Renson partner in advance.



How should I clean my screens?

Good news: **screens require little maintenance.** To enjoy your screens for as long as possible, it's best to clean them regularly. Clean the screen fabric, fabric head box and guiding channels with mild soapy water. After cleaning or a rain shower, never let wet screens sit rolled up in the fabric head box for more than three days. Instead, allow them to dry first.

An **annual visual inspection** by a Renson Ambassador is recommended. That's because insufficient maintenance will void your warranty. Prefer to make sure nothing is left to chance in terms of professional maintenance? With a maintenance contract, you're all set.

Which warranties do I get on my screens?

10 YEARS COATING WARRANTY

7 YEARS FIXSCREEN WARRANTY

5 YEARS GENERAL WARRANTY

Different parts and aspects of your Renson Fixscreen have **different warranty periods.** Here's a handy overview:

- a ten-year warranty on the colourfastness of the aluminium parts
- a seven-year warranty on our Fixscreen technology (five years if freestanding)
- a seven-year warranty on our Renson Detecto motor and a five-year warranty on all other electronic parts and automated controls
- a five-year warranty on the gloss of our coated profiles

Any questions left about sun protection?

Experts on the importance of sun protection

Excess heat is utterly unbearable and sometimes downright unhealthy. To better understand the causes, the challenges and — above all — the solutions, we consulted the experts. Below, they give us their view on this hot topic, each from the perspective of their own field.



Hein Daanen

HEALTH

"Heat stroke is deadly"

Research by VITO and UHasselt shows that the hot summers in Belgium between 2000 and 2019 caused 461 deaths annually among vulnerable population groups. Why exactly is this happening? *"Our body maintains its core temperature, which ideally is 37 °C, by constricting or dilating the blood vessels",* according to **Hein Daanen, thermophysiologist at VU Amsterdam.** *"If that body temperature falls or rises too much, this eventually leads to problems. In hot weather, for example, this happens when the humidity level is too high to cool the body through adequate sweating. In extreme cases, this can lead to heatstroke, which in exceptional cases can be fatal."*



ARCHITECTURE

"Smart design for climate-proof living"

The problem of overheating is caused by a complex interplay or factors. Even so, a few basic techniques and rules of thumb for smart building design can take you a long way. **Joost Declercq - civil engineer-architect / director of research at archipelago architects and affiliate of KU Leuven:** *"Start with a logical orientation and distribute the windows smartly across the façades, depending on the sunlight that comes through them. Next, provide sufficient shade with a brise soleil, sliding panels or screens wherever necessary."* Sufficient thermal mass must also be present to buffer the heat. *"Think of a building like a sponge that absorbs heat. You need to be able to wring it out from time to time. By opening windows and doors at night, you create a stack effect that helps cool the building. And rest assured: a building incorporating passive measures like these to prevent overheating shouldn't be more expensive than any other building – it simply comes down to good design."*



Joost Declercq



Niels Souverijns

CLIMATOLOGY

"Air conditioners are a potential climate bomb"

When it gets too hot in the house regardless, you simply switch on the air conditioning system. Right? It might be the obvious choice, but it's the wrong one over the long term. That's because the residual heat emitted by air conditioning systems actually exacerbates the effects of climate change. *"If active cooling using air conditioning systems were to rise exponentially, we'd see a huge increase in demand for energy. If we don't have renewable energy to meet that demand, we'll generate enormous amounts of additional CO_2 emissions",* **Niels Souverijns, climatologist at the VITO research institute, is keen to stress.** *"The refrigerants they contain also present a huge risk to global warming. Even if you don't use your system, it's a potential climate bomb."*

You can read all the findings of the experts above and others in this 'Overheating report'

Get to know our ambassadors

With a vast network of experienced professionals, Renson is never far away. Want to integrate screens neatly into your façade or install your structural sun protection to the highest standard? There's a professional nearby who can't wait to help.





"The narrow side guiding in Fixscreen Minimal do not protrude in front of the slim window profiles of minimalist windows. By installing the fabric head box and guiding channels first, then the fabric tube, and finally, the bottom rail, weight is kept to a minimum during the installation process. And that makes the job easier and more enjoyable for our installers."

Kristof Torck (Torck)

"Solar screens get their energy from daylight, via an integrated solar cell, which means they do not require a power supply. For both residents and our installers, that's a major advantage. The entire installation is carried out on the outer side. We never even have to enter the building. In other words, we can even install the product when the customer is not at home."

Danny Konings (Reno Solar-Screens)





What can a Renson Ambassador do for you?

- Free, expert advice
- A quote tailored to your situation
- Professional installation
- Expert service

Scan the QR code for a Renson Ambassador or Certified Installer near you

RENSON®



Creating healthy spaces®
Your healthy living comfort is our mission. Inside and outside. At home and at work. With ventilation, sun protection, sustainable heating/cooling and outdoor living spaces, we give consumers, architects and property developers the sustainable building blocks they need to create healthy and comfortable living spaces, indoors and outdoors.

Expert since 1909
Ever since 1909, Renson has been developing high-quality products that increase your home comfort. Though the power of innovation and backed by more than a century of experience, we turn your dreams into reality.

Technology and design
Every product is developed with an eye for design, durability and quality. In perfect harmony with your home.

> 117 years



Renson® innovates and inspires

renson.net



Did you know...
... that there are over 1,600 distributors in our network? You're bound to find a point of contact you can trust, wherever you are in the world.



Need more inspiration?
The Renson showroom at our headquarters in Waregem is the perfect place to get to know our solutions and technology for your healthy living comfort. Inside and outside.

Elsewhere, our impressive NOA inspiration park in Kruisem is the place to go to experience truly exceptional outdoor spaces.

You're welcome to visit anytime!

Don't want to miss a thing about Renson? Subscribe to our newsletter.

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