

**Engineering progress  
Enhancing lives**

## **Your home: Warm, cosy and safe.**

SYNEGO: This window system provides you with cosy warmth and up to 45% better heat insulation, thereby actively contributing to environmental protection.

Windows reinvented. For modern life.





# Sustainable building – without compromising on comfort

The installation of SYNEGO windows offers two main benefits: the heating cost savings during the usage phase and the good feeling with a sustainably produced product to protect the environment.

## Positive feeling

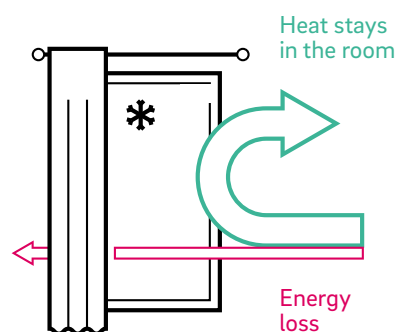
SYNEGO windows by REHAU carry the EcoPuls label. This means that the window profile contains more than 40% recycled material. REHAU is committed to having this positive environmental footprint. Enjoy the comfort provided by your windows, together with the great feeling of knowing you have chosen a sustainably produced product.

## Double sustainability

The outstanding thermal insulation properties of SYNEGO windows also provide a long-term way for you to do something good for the environment. When installed in your home, they achieve up to 45% better thermal insulation compared to current conventional windows\*.

This saves energy, ensures you stay cosy and warm, and also increases the value of your property.

Versions of SYNEGO windows with the centre seal have been confirmed as suitable for use in passive homes in accordance with ift guidelines.



\* Minimum requirement for standard windows according to the German Energy Saving Ordinance 2014 (EnEV):  $U_w = 1.3 \text{ W}/(\text{m}^2\text{K})$ , best value for SYNEGO with centre seal system:  $U_w = 0.76 \text{ W}/(\text{m}^2\text{K})$





Up to  
**45% better  
thermal  
insulation**



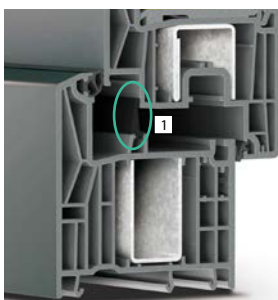
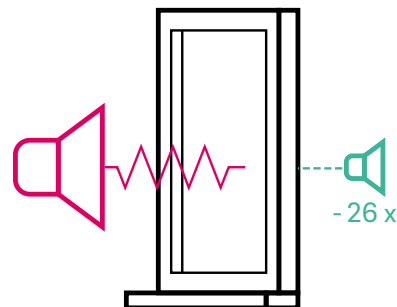


# Enjoy the peace and quiet.

Noisy traffic, the neighbour's lawn mower – there are loud noises all around you every day. With SYNEGO, you simply shut the noise out. Your home becomes an oasis of calm.



Noise can make you feel unwell, even if you're no longer aware you're hearing it. Studies have shown that regular exposure to traffic noise results in a significantly higher risk of cardiovascular disease. Shut out the noise and relieve yourself of the stress. SYNEGO's particular construction depth allows special functional glass to be used which provides improved soundproofing – giving you a quiet, relaxed home.



1 Centre seal

## Premium soundproofing

SYNEGO windows help improve your quality of life. Why? When fitted with the optional centre seal system, they reduce noise by up to 47 decibels. That is roughly equivalent to the sound of a lawnmower a few metres away. SYNEGO windows therefore achieve up to a 26-fold reduction in noise levels.



**SYNEGO windows  
shut noise out.**

Feel great –  
no matter how loud your  
surrounding environment is.

Up to  
**26 times**  
less noise





# Feel safe.

Whether you are at home or on travel, SYNEGO window make life for burglars difficult. Enjoy yours security – 24/7.



**Preventive  
protection  
against  
break-ins**

## **Protect your home with REHAU's Smart Guard System.**

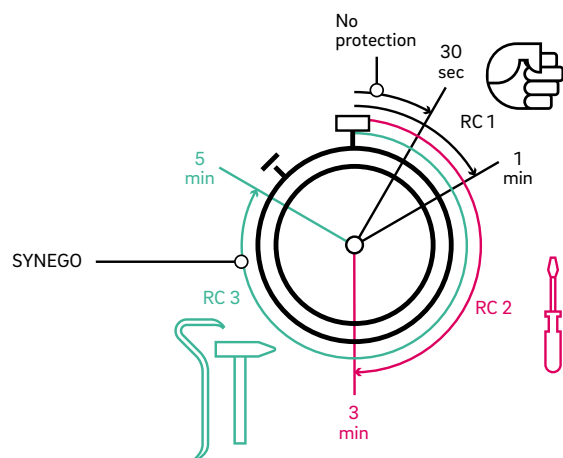
80% of break-ins occur through easily accessible windows and patio doors. In more than a third of cases, enhanced security technology thwarts such attempt. Burglars quickly move on to easier targets if a window cannot be prised open within a few seconds.





### Enjoy your trip.

In the knowledge that your home is well protected. The Smart Guard preventive security system detects intruders in front of the window and scares them off with optical and acoustic signals.



### Security up to resistance class RC 3

Windows with resistance class RC 1 only offer low level protection against break-ins, meaning that burglars can get through them in a relatively short period of time, whereas windows in higher resistance classes take much longer and, crucially, also require the use of heavy tools.

SYNEGO windows easily achieve resistance class RC 2. With a few simple modifications even RC 3 standards are easily achievable.

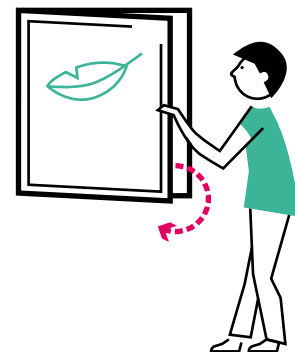


# SYNEGO impresses with its unique level of comfort.

It's the little things that make life beautiful and pleasant. SYNEGO windows also have a lot to offer in terms of real comfort and quality in everyday life.

## Outstanding ease of use

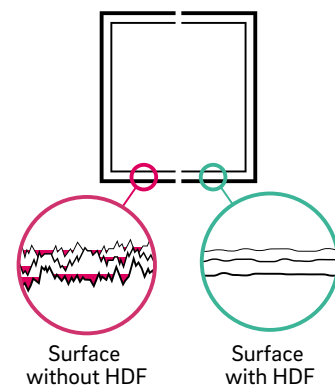
SYNEGO doesn't just look great – it also functions perfectly year after year. Our special sealing system protects you against draughts and moisture while ensuring optimised closing pressure. It is therefore much easier to open and close your windows.



## Dirt-repellent surface

The rougher textures on normal surfaces make it easier for dirt to become lodged in the depressions, and it is then more difficult to remove.

High Definition Finishing (HDF) ensures your windows and doors look like new every day. Its complex formula provides for a perfect surface which stays clean longer and is super easy to clean.





Easy-care thanks to  
**High  
Definition  
Finishing**

**No more trip hazards**

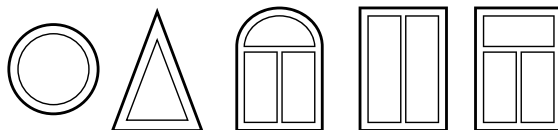
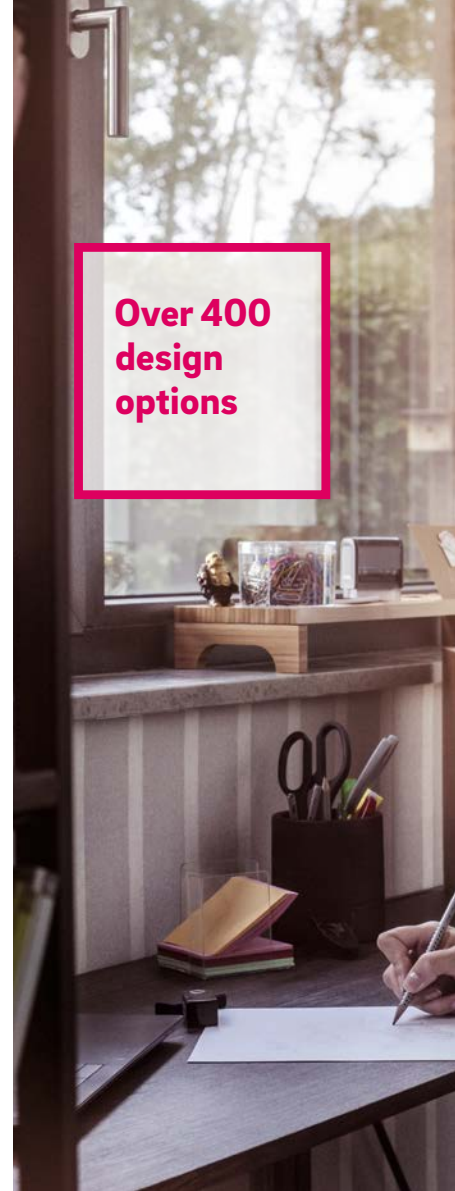
RAUCERO is the zero-millimetre threshold for full accessibility. The level-access RAUCERO threshold from REHAU can hardly even be called a 'threshold'. It has a construction height of 0 mm, meaning you can pass through your balcony or front door with no resistance and no trip hazard. Furthermore, RAUCERO offers optimum wheelchair compatibility and unparalleled comfort.



# Choose your ideal design.

With our KALEIDO COLOR range, you can have exactly the windows you want: brilliant white, warm wood styles with structured surfaces, trendy solid colours or aluminium looks.\*

Over 400  
design  
options



## Large, small, angular or round – complete design freedom.

Windows don't always have to be rectangular. With SYNEGO, you have plenty of architectural designs to choose from. Straight, rounded or circular – there's a world of options. Style elements, glazing bars or creative window divisions add other eye-catching highlights. SYNEGO is ideal whether you're renovating an old building or constructing a new one!



## An integrated look.

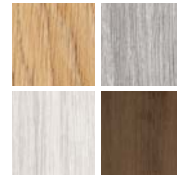
Coloured base profiles give your windows a consistently high-quality look, even when they're open.

\*The KALEIDO COLOR range includes lacquer (KALEIDO PAINT), lamination (KALEIDO FOIL), aluminium casing (KALEIDO COVER) and special surfaces with a deceptively realistic wood look (KALEIDO WOODDEC).

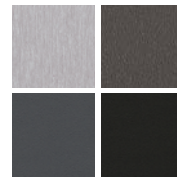


**KALEIDO COVER**

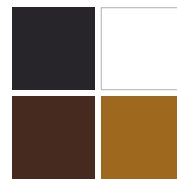
The aluminium casing can be lacquered, powder-coated or anodised in over 170 RAL colours.

**KALEIDO WOODEC**

Four contemporary design variants that look and feel just like real wood.

**KALEIDO FOIL**

Create different accents with wood, metallic and plain decorative designs.

**KALEIDO PAINT**

Brilliant lacquer finish in more than 150 colours.

**Colours that stand the test of time.**

You're sure to find your favourite colour among our selection of over 400 designs. You can choose different colours for the interior and exterior – for example, anthracite grey on the outside, classic white on the inside. Whatever you decide, rest assured your windows will continue to look as good as new, even years down the line, as our paints and decorative designs are all colour-fast and weather-resistant.

**Slimline design**

The slimline design makes SYNEGO window sashes stand out from the rest. The secondary sash creates a particularly fine central section which lets plenty of light into your living space.



## Living sustainability

As a globally active company, REHAU bears a special responsibility to look after people and the environment alike. As a result, we're constantly working to increase energy efficiency and conserve resources in all our factories and products. REHAU window profiles carrying the EcoPuls label already contain between 40% to 75% recycled material and represent commitment to a positive environmental footprint.

**REHAU**  
**EcoPuls**

Sustainability  
Competence

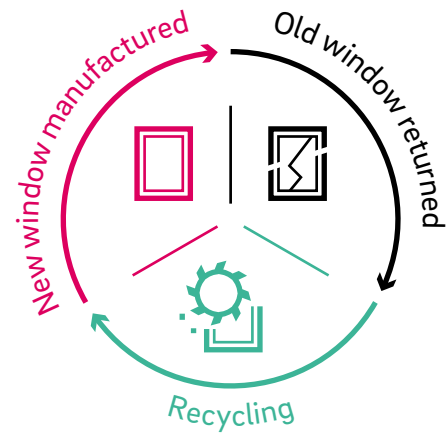


### Polymers in circulation

Old windows are turned into new sustainable window systems, while meeting exactly the same quality standards as REHAU windows made from new materials. The material is cleaned, shredded, sorted and refined. The resulting recyclate is finally re-used in the inner cores of new window profiles.

REHAU is achieving CO<sub>2</sub> savings of up to 97,000 tonnes per year through this strategy alone. That equates to the amount captured by around 7.8 million trees covering an area about the size of 137,000 football pitches.

At REHAU, we handle the complete recycling process ourselves, which is unique in the windows market.



### Excellence in sustainability

All REHAU's European window manufacturing plants have been awarded the VinylPlus independent certification for sustainable window production. Raw material sourcing, processing and also recycling: they meet strict, wide-ranging criteria at every stage of the value chain.





# The SYNEGO system family

A perfectly coordinated portfolio that caters for every requirement.

## SYNEGO windows, balcony and patio doors

### Technical data

Visible width of frame/sash:	109 mm to 175 mm
Overall depth:	80 mm
$U_f$ thermal insulation (EN 12412-2):	up to 0.94 W/(m <sup>2</sup> K)
Sound insulation $R_w$ (ISO 10140-2):	up to 47 dB
Burglar resistance (EN 1627):	up to class RC 3
Resistance to wind load (EN 12210):	up to class B5
Watertightness (EN 12208):	up to class 9A
Air permeability (EN 12207):	up to class 4
Operating forces (EN 13115):	class 1







### SYNEGO lift and slide doors

#### Technical data

Visible width of frame/sash:	179 mm (103 mm with panoramic sash)
Construction depth of frame/sash:	190 mm/80 mm
$U_f$ thermal insulation (EN 12412-2):	up to 1.3 W/(m <sup>2</sup> K)
Sound insulation $R_w$ (ISO 10140-2):	up to 43 dB
Burglar resistance (EN 1627):	up to class RC 2
Resistance to wind load (EN 12210):	up to class B3
Watertightness (EN 12208):	up to class 9A
Air permeability (EN 12207):	up to class 4



### SYNEGO SLIDE

#### Technical data

Visible width of frame/sash:	65 mm/101 mm
Construction depth of frame/sash:	156 mm/80 mm
$U_f$ thermal insulation (EN 12412-2):	up to 1.3 W/(m <sup>2</sup> K)
Sound insulation $R_w$ (ISO 10140-2):	Up to 44 dB
Burglar resistance (EN 1627):	up to class RC 2
Resistance to wind load (EN 12210):	up to class B3
Watertightness (EN 12208):	up to class 8A
Air permeability (EN 12207):	up to class 4



### SYNEGO front doors

#### Technical data

Visible width of frame/sash:	174 mm
Overall depth:	80 mm
$U_f$ thermal insulation (EN 12412-2):	up to 1.2 W/(m <sup>2</sup> K)
Sound insulation $R_w$ (ISO 10140-2):	dependent on panel used
Burglar resistance (EN 1627):	up to class RC 2
Resistance to wind load (EN 12210):	up to class B2
Watertightness (EN 12208):	up to class 4A
Air permeability (EN 12207):	up to class 2

# Clever add-ons

SYNEGO windows offer an impressively high level of thermal insulation and outstanding soundproofing. They can also be upgraded with sophisticated system add-ons.



## Certified fall protection

SKYFORCE, the French glass balcony, combines certified security with visual standards. It supports the clear lines of modern façades and can be installed without visible screws.



## Step-free access

The RAUCERO zero-millimetre threshold makes doorways completely level and step-free. Integrated drainage and super-easy cleaning are guaranteed to impress, as is its attractive, discreet look.



## Preventive protection against break-ins

The REHAU Smart Guard alarm module can be built into the frame to detect and deter burglars, before they can do any damage. If things get really serious, the main alarm is activated using a radio signal. The system is available with optional Smart Home connection for programmable custom alarms.



## Elegant window handles

The LINEA window handles' simple appearance harmonises perfectly with the clear lines of modern windows. A patented locking mechanism provides the window with additional security, making it harder for intruders to push it open from outside.



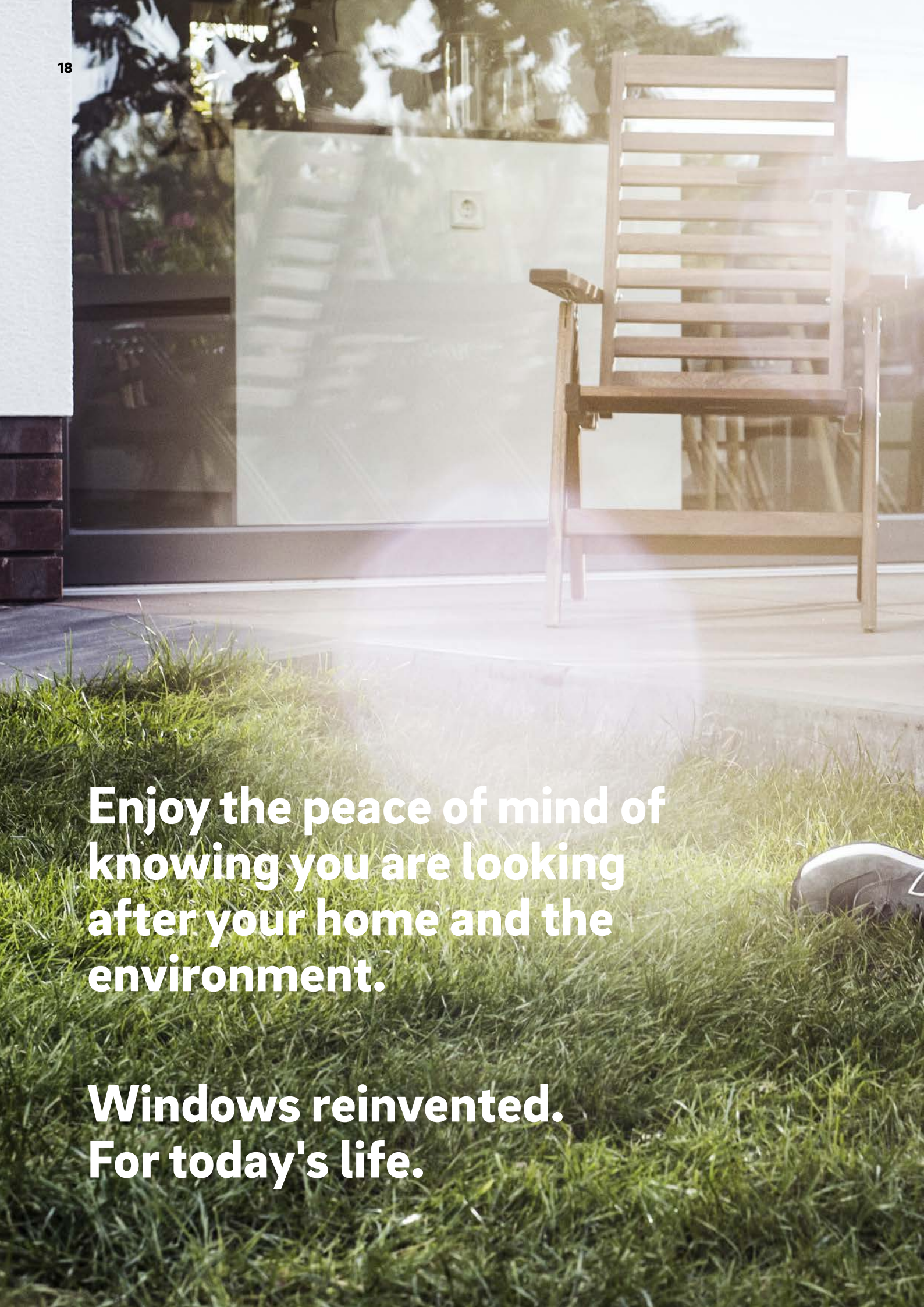
## The hallmark of beautiful windows

The hallmark of beautiful windows – REHAU INSILL interior window boards offer great design and impressive features. Design your rooms exactly as you want them, without compromising on comfort.







A photograph of a wooden deck chair on a patio. In the background, a large window reflects the outdoor scene, including trees and a building. The foreground is filled with green grass, and a person's foot is visible on the right side.

**Enjoy the peace of mind of  
knowing you are looking  
after your home and the  
environment.**

**Windows reinvented.  
For today's life.**





Interested in SYNEGO? We'll be happy to advise you!

Please observe the relevant technical product information,  
which can be obtained online at [www.rehau.com/ti](http://www.rehau.com/ti).  
Subject to technical changes.

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