



GENEO

The window for perfect living

»» The design of a house should never follow a trend; it should reflect the **style of the people who live in it.** ««

-
- › GENE0: **offering architects endless possibilities** with customized forms and shapes
 - › Round, pitched, triangular and grid windows are possible with a **fully-reinforced design for the very first time**
 - › High-definition finishing surface (HDF) for **an extremely elegant look**
-



UNLIMITED CREATIVITY

Free choice of shapes, colors and sizes

You are the type of person who isn't satisfied with pure functionality – rather, this is merely a point of departure. You are somebody who is not just looking for superior quality and a brilliant design, but also a style that is completely individual and, of course, reflects your own personality.

It quickly becomes clear to you what makes GENEО windows so appealing to architects and builders. With GENEО, the shape of the window places absolutely no constraints on your architect's creativity.

GENEO is flexible enough to effortlessly realize even the most unusual of ideas – from large windows to special shapes such as corners, edges or curves. GENEО makes your ideas a reality while offering impeccable functionality.

GENEO also gives you complete control over your color scheme: choose from more than 40 laminating films and over 170 RAL colors for lacquer finishes or design your window with an aluminum cladding exactly how you want it.

Don't hesitate to see for yourself:

www.rehau.de/geneo-design

For more information about the technical specifications of our GENEО windows, refer

to pages 13–16





JUST THE STYLE YOU WANT

Give free rein to your creativity

PURE PLEASURE

Every day, well into the future

The tailor-made frame construction, which is made with high-tech RAU-FIPRO material, makes GENEÓ windows lightweight and stable, meaning that most of these windows do not require steel reinforcement. Opening and closing windows is childishly easy. The premium-quality smooth surfaces are easy to clean and extremely weather-resistant.

To ensure you feel perfectly at home, it's important to have the right room temperature. The REHAU surface heating system, which is controlled using the Nea room controller, makes sure this is always the case. But it offers even more: Nea boasts an award-winning design, simple installation, easy operation and many other convenient features. In 2013, it won the Red Dot Design Award.



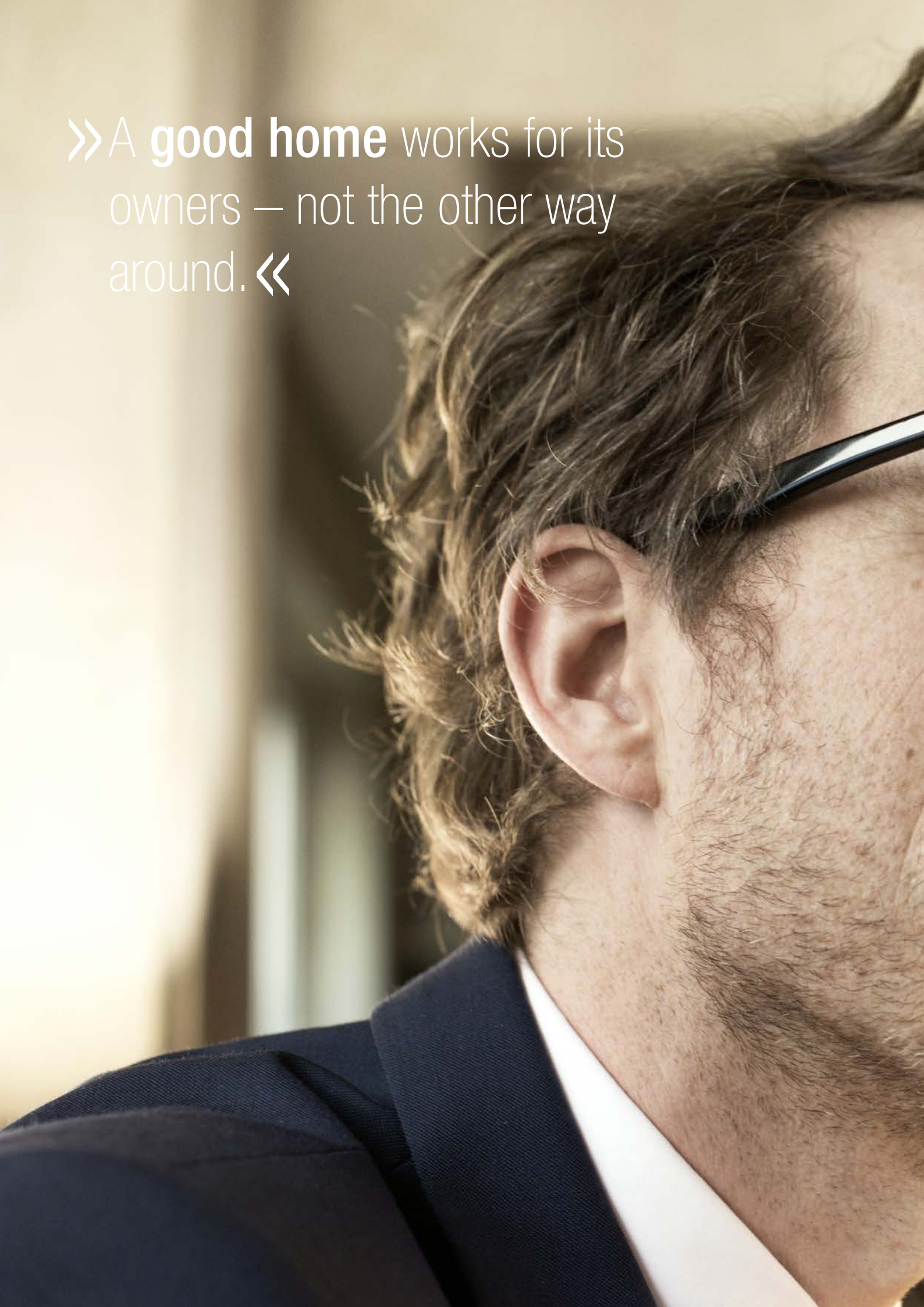


REHAU Nea Room Controller

Control the room temperature easily and conveniently with a true design piece.

MAKING LIFE EASIER
Every day

»» A **good home** works for its
owners — not the other way
around. ««





-
- › GENE0 reaps the most from what you spend on heating
 - › Outstanding thermal insulation ratings with an integrated thermo-module
 - › Also certified for passive houses
-



THE PERFECT ATMOSPHERE

Eliminating thermal bridging ensures that heat remains in your house





THE IDEAL INSULATION

Use up to 76 % less energy*

When it comes to saving energy, let our revolutionary high-tech solution work for you: RAU-FI-PRO is the secret behind the outstanding heat insulation. Thanks to the extremely stable fiber composite material – a class of materials common in aircraft construction and racing – 90% of GENE0 frames do not require any metal reinforcement. This prevents unfavorable thermal bridging from occurring in the first place. You can also achieve exemplary U_w values of up to $0.60 \text{ W/m}^2\text{K}$ when using this material in conjunction with triple glazing.

The GENE0 passive house model is officially certified by the Passive House Institute in Darmstadt. And your KfW subsidy is a mere formality.

* Reducing energy loss through windows by changing your old wooden/plastic windows from the 1980s ($U_t = 1.9$; $U_g = 3.0$) to windows made from GENE0 profiles ($U_t = 0.86$; $U_g = 0.5$), window size 123 x 148 cm

»» A house should be **built to last**.
So it can't hurt if the **material**
is ahead of its time. ««

-
- › Fiber composite materials are used in modern aircraft, racecars and in GENE0 windows
 - › RAU-FIPRO offers maximum stability and is extremely lightweight
 - › The high-tech material ensures easy handling and perfect insulation
-



THERE IS EVEN MORE IN IT FOR YOU

State-of-the-art technology for top performance

Simply conserve energy: with very low U values.*

Glass heat insulation = U_g value	Overall insulation of the window element = U_w value		
	GENEO standard Heat insulation frame = $U_f = 0.86 \text{ W/m}^2\text{K}$ psi value (edging) = 0.04	GENEO incl. thermo-modules Heat insulation frame = $U_f = 0.86 \text{ W/m}^2\text{K}$ psi value (edging) = 0.04	GENEO certified passive house Heat insulation frame = $U_f = 0.79 \text{ W/m}^2\text{K}$ psi value (edging) = 0.03
0.9 $\text{W/m}^2\text{K}$	1.0 $\text{W/m}^2\text{K}$	0.98 $\text{W/m}^2\text{K}$	0.94 $\text{W/m}^2\text{K}$
0.8 $\text{W/m}^2\text{K}$	0.96 $\text{W/m}^2\text{K}$	0.92 $\text{W/m}^2\text{K}$	0.87 $\text{W/m}^2\text{K}$
0.7 $\text{W/m}^2\text{K}$	0.89 $\text{W/m}^2\text{K}$	0.85 $\text{W/m}^2\text{K}$	0.80 $\text{W/m}^2\text{K}$
0.6 $\text{W/m}^2\text{K}$	0.82 $\text{W/m}^2\text{K}$	0.78 $\text{W/m}^2\text{K}$	0.74 $\text{W/m}^2\text{K}$
0.5 $\text{W/m}^2\text{K}$	0.75 $\text{W/m}^2\text{K}$	0.72 $\text{W/m}^2\text{K}$	0.67 $\text{W/m}^2\text{K}$
0.4 $\text{W/m}^2\text{K}$	0.69 $\text{W/m}^2\text{K}$	0.65 $\text{W/m}^2\text{K}$	0.60 $\text{W/m}^2\text{K}$

* Refers to the REHAU window portfolio

** See page 11

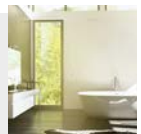


76 Prozent
Energieeinsparung**

Simple operation, simple maintenance.

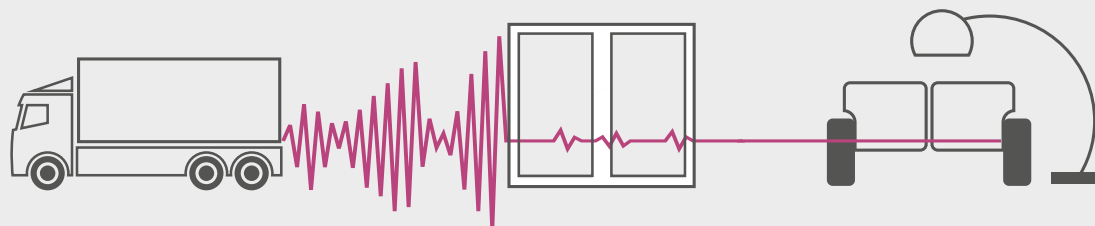
The high-quality HDF finish makes it quick and easy to remove dirt with household cleaner. The only maintenance required is pouring a few drops of oil on the moving parts of the fittings and occasionally using a silicone stick to care for the seals.

The newly-developed sealing concept ensures an optimum closing pressure. Since GENEO doesn't usually have to be reinforced with steel, the casement is much lighter than with other windows and is much easier to handle.



Ensuring peace and quiet – in an instant.

Noise is disturbing – when prolonged, it can even interfere with your health. GENEO offers class-5 noise insulation – a rating previously unmatched – to enhance your sense of well-being.



*** Basis of the calculation: Increasing the sound by 10 dB = doubling the perceived noise levels (LfU standard). GENEO reduces sound by 47 dB.

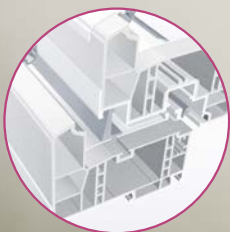


24 fache
Lärmreduktion***

RAU-FIPRO: TECHNOLOGY THAT LETS YOU TAKE OFF

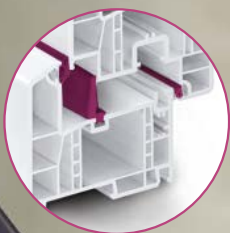
Fiber-reinforced composite materials for lighter windows and more elegant designs

Large windows and a modern design call for materials that are both lightweight and stable. Enjoy the benefits of high-tech aircraft construction materials in your own home! RAU-FIPRO is a sophisticated fiber composite material consisting of two components: the base material and the reinforced fiber material. The interaction between the two basic materials significantly improves the general properties of the new material. RAU-FIPRO offers ultimate stability – making it easier for architects to get extraordinary, elegant design ideas off the ground.



Fiber-reinforced lightweight design.

The high-tech RAU-FIPRO material makes profiles very stable – without being hazardedly heavy. This is because 90% of GENE0 applications do not require cumbersome steel reinforcements. As a result, the windows remain pleasantly lightweight, eliminate troublesome thermal bridges and guarantee the best thermal insulation properties – even with very large window casements.



Extra-tight, easy to open.

Three sealing levels on all sides improve the insulation performance. The highly elastic, permanent load-resistant material guarantees a long service life. The novel sealing concept also ensures an optimum closing pressure, significantly reducing the force required to open and close the window.



Flexible, just as planned.

GENEO profiles feature versatile function chambers, which can be used to optimize the window for the particular application. Thermo-modules are used, for example, for their insulating properties in line with the standards of a passive house.



Technology inside, design outside.

The elegant high-definition finishing (HDF) covers the fiber-reinforced basic structure made of RAU-FIPRO material. It is extremely smooth, dirt-repellent, easy to clean and has a superior look.

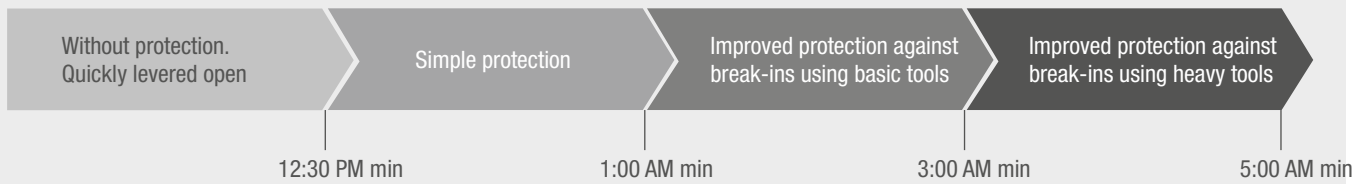




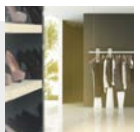
» Because **windows** also have
'wings', aircraft construction is my
inspiration. «



High level of security without compromises.

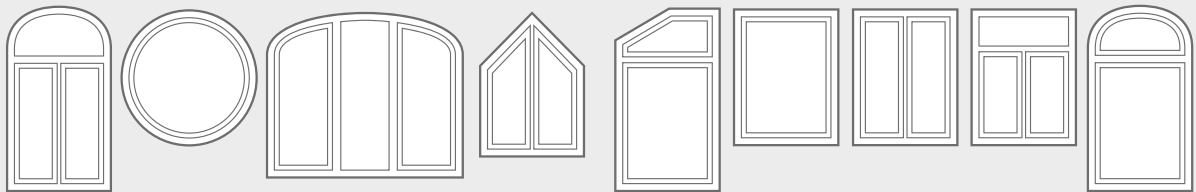


Even without additional steel reinforcement, GENCO is already in resistance class RC 2 thanks to the solid **fiber composite material RAU-FIPRO**. Not to mention, it also offers complete heat insulation. Extra features available on request.



Enjoy creative freedom: with numerous shapes and colors.

- Plenty of architectural freedom with individual shapes, including round, triangular, pitched and grid windows – with a fully-reinforced design for the very first time
- Extensive design options with brilliant colors through decorative films, varnish or aluminum cladding
- 20° oblique angles and 5 mm outer radii for an elegant look
- Additional styling options with inclined casements and curves



Wood



Sierra



Winchester XA



Light oak 1



Golden beech



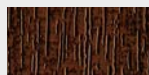
Oregon



Dark oak 1



Golden oak



Mahogany



Cherry blossom



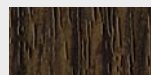
Rustic cherry



Macore



Soft cherry



Bog oak

Aluminum



Alux DB 703




Alux anthracite



Brushed aluminum

220 Farben
Unzählige Formen

www.rehau.com/de-de/private-clients



» You don't just measure the rooms of a house in square meters – but rather by the **size of the windows too.** «

-
- › Large elements with slim profiles for optimal light and sun exposure coupled with modern architecture
 - › Floor-to-ceiling elements that guarantee functionality
 - › Element installation depth: 86 mm
-





OPEN SPACE, MADE-TO-MEASURE

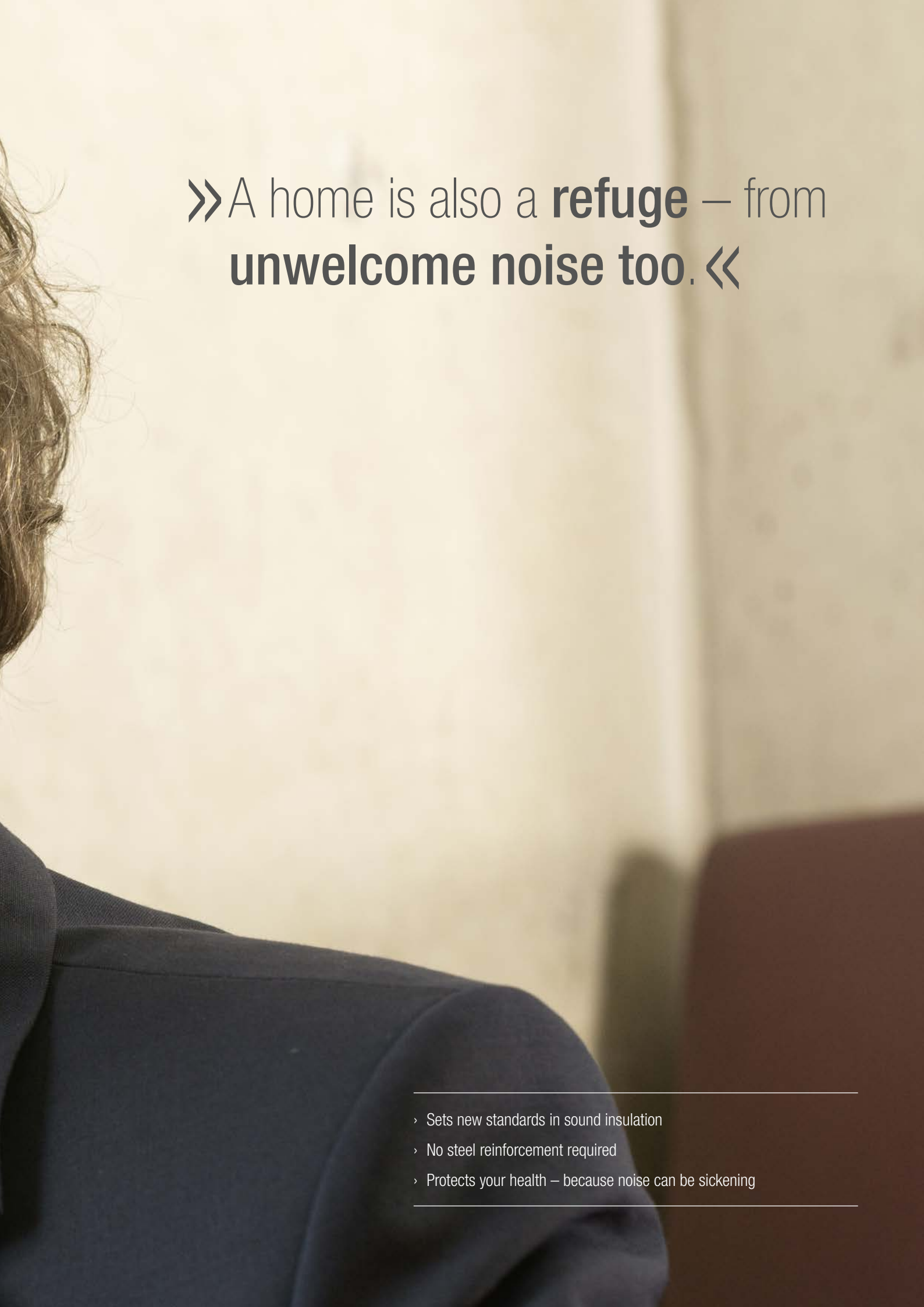
Custom sizes for a unique finish.

Where others reach their limits, GENEÓ offers new possibilities. The high stability of RAU-FIPRO, the first fiber composite material in the window segment, lets you design and realize more spacious windows. The slim profiles open up larger views and offer a larger total

panorama. The space-saving GENEÓ lift, slide or parallel slide and tilt door systems make your rooms brighter with more incident light and offer an even more spacious living atmosphere.







»» A home is also a **refuge** — from
unwelcome noise too. ««

-
- › Sets new standards in sound insulation
 - › No steel reinforcement required
 - › Protects your health — because noise can be sickening
-



RELAZZO decking

The natural look of wood with the benefits of modern plastics. The easy-care WPC solution for those with high expectations.

YOUR VERY OWN NOISE BARRIER

Design a home where noise stays outside

Turn your home into a protected living space where you can fully escape your everyday stresses. You can use GENE0 to design your own personal noise protection concept to ensure you always have the peace and quiet you need. Even if you live on a busy road, near an airport or a train line or

simply just have a noisy hobby, GENE0 is the reliable solution for blocking out unwelcome noise.

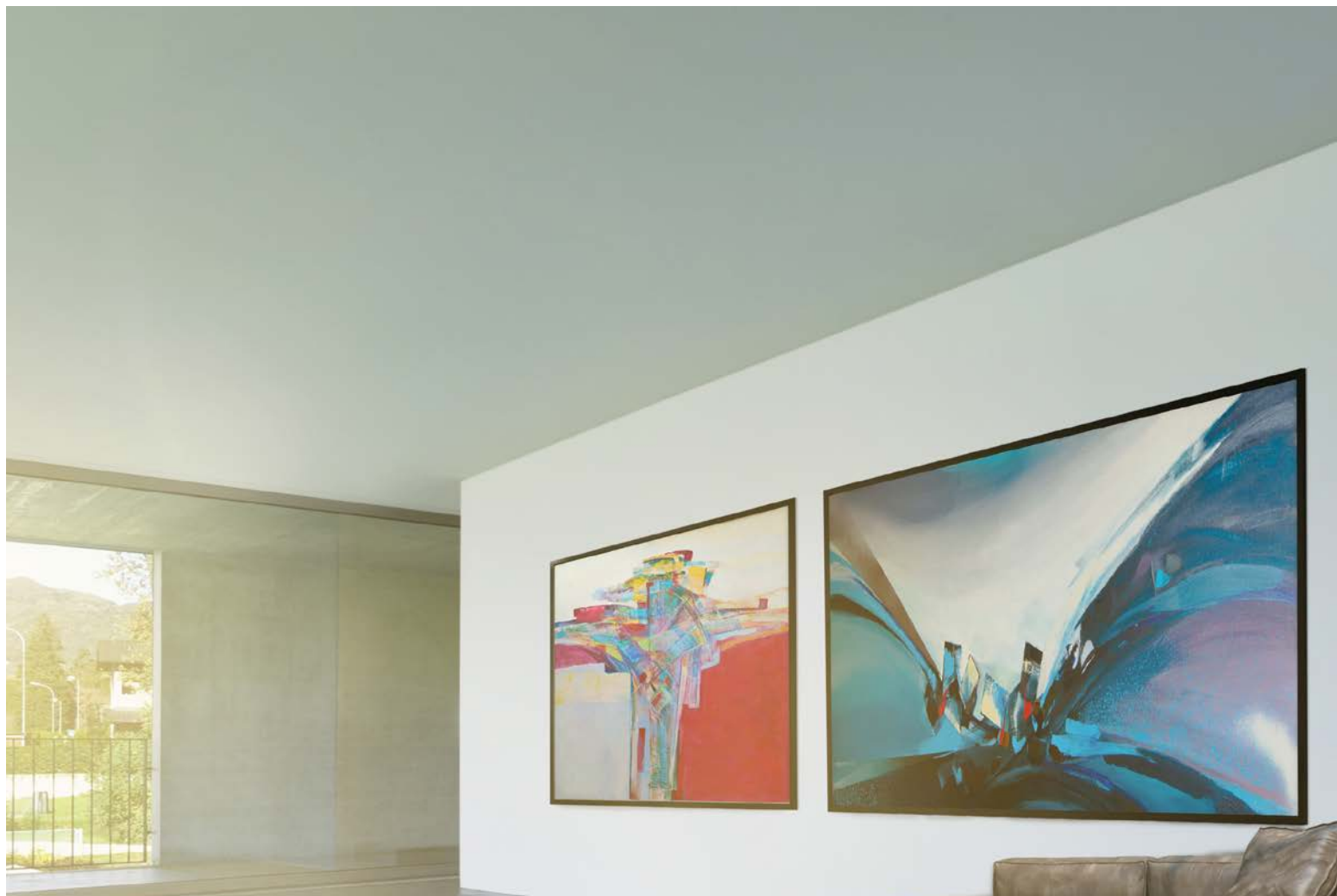


TECHNOLOGY BEATS NOISE

No matter who's making noise – you'll stay calm

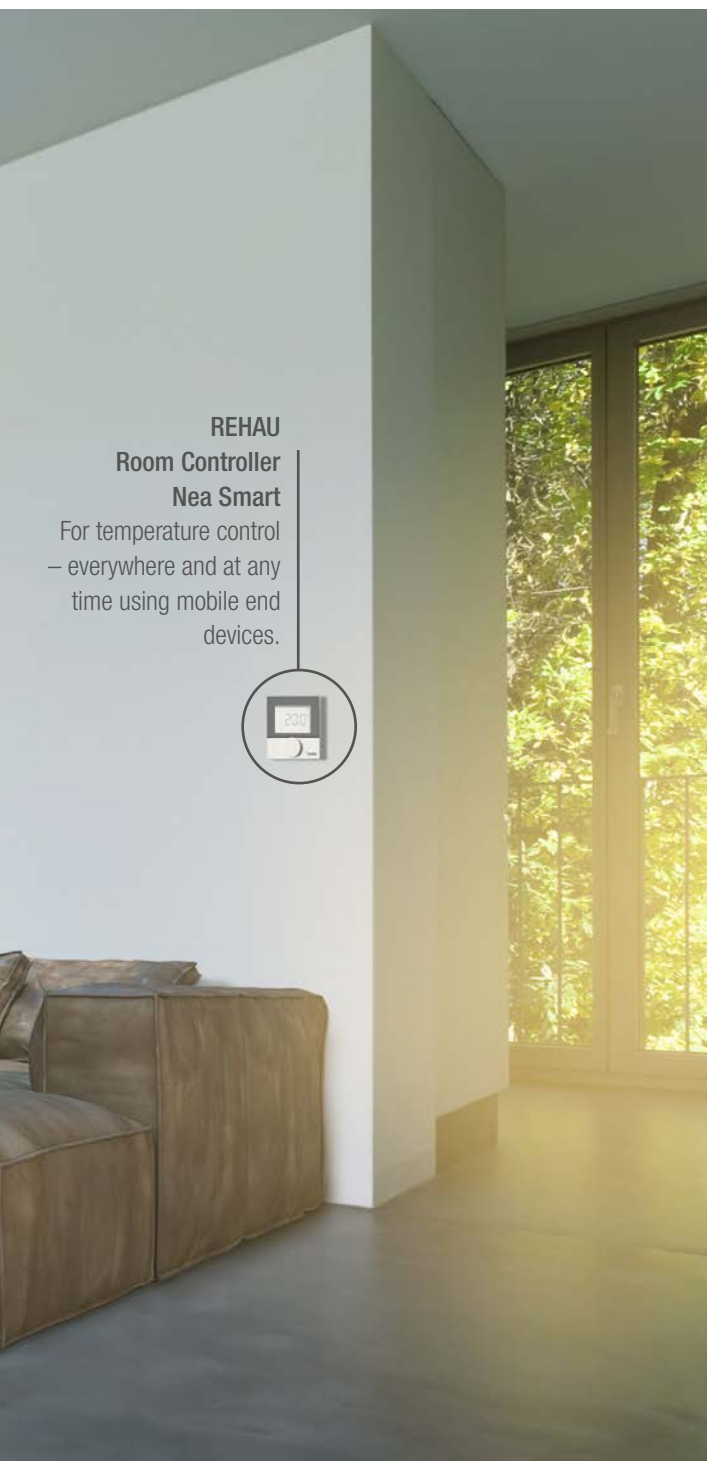
The triple glazing and RAU-FIPRO profiles put GENE0 in REHAU's top noise protection class: 5*. In other words, even if a jet plane is taking off, you'll hear little more than a whisper. Consult with your specialist window company.

* Recommended sound insulation value of the window (45–49 dB), glass 50 dB, R_wP 47 dB



BEAUTY DEMANDS PROTECTION
Secure your property with a tailor-made solution





REHAU

**Room Controller
Nea Smart**

For temperature control
– everywhere and at any
time using mobile end
devices.



BURGLARY PROTECTION

Up to resistance class 3

Studies have shown that nothing deters burglars more than the amount of time it takes to pry open a window. While windows without burglary protection can be opened within seconds, the sturdy design of GENEEO with state-of-the-art burglary protection adds exactly those valuable minutes needed to ward off burglars. Even without steel reinforcement, RAU-FIPRO is strong enough to ensure that all GENEEO windows meet RC 2 standards after undergoing the test conducted by the "ift Rosenheim" test institute.

The special locking parts combined with additional security measures make it possible to choose the specific level of burglary protection for each individual GENEEO window – depending on the type of protection you require. If desired, additional measures can be taken, raising the level of security to resistance class 3. For expert advice, we recommend contacting your window specialist and your local police department.



Are you interested in GENE0? We would be happy to advise you!

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Subject to technical changes.
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