



REHAU WINDOW SYSTEMS

PROTECTION INSIDE OUT AND OUTSIDE IN

German engineered
systems for
worldwide climates

REHAU

REDEFINING QUALITY IN POLYMERS WORLDWIDE

A global leader in polymer processing technologies

Founded in 1948, REHAU today enjoys an impeccable reputation globally for developing innovative solutions in providing a wide range of products and services to the Construction, Automotive and Industrial sectors.

With more than 15,000 employees around the globe in over 170 locations on 6 continents, REHAU offers incomparable expertise in materials development, systems design and surface technology, and an unwavering commitment to building long-lasting partnerships and alliances with our customers.

Continuing research and development enables us to consistently deliver cost-effective and environment-friendly products. Stringent quality control and safety guidelines ensure that all our products comply with the highest international standards. REHAU's products and systems for the window and door, heating and plumbing, fire protection and pipe markets complement each other in integrated high-performance solutions, representing the perfect blend of quality and innovation to inspire better living.





Why REHAU Window Systems?

REHAU is the **leading uPVC manufacturer of window profiles**. Its unique solutions comprise specially engineered designs that combine form with function better than anything you've ever seen. So every REHAU system is **as stylish as it is ingenious**, and **as attractive as it is durable**. For both practical and aesthetic reasons, REHAU ensures you of windows that work beautifully, taking care of a major factor in the success of any building project.



The following section of references shows how the quality windows system fulfils practical requirements.



- LASALLE-SIA College of Art, Singapore
- Toorak Apartment, Melbourne, Australia
- Tugan Apartment, Gold Coast Brisbane, Australia
- Residential house, Nan-Tou, Taiwan
- Holiday resort, Zhi-Tou National Park, Taiwan
- Sheraton Hotel, Brunei, Brunei
- Filsystem Tower 1, Manila, Philippines
- An-Lan Home, Taichung City, Taiwan
- Golden Car Resort Centre, Yi-Lan City, Taiwan
- National Museum of Marine Biology and Aquarium, Pingtung county, Taiwan
- State University in Belgorod, Russia
- Pleasure boat "Papanov" in Rostov n.D., Russia
- Administration Building in Stary Oskol, Russia
- Condominium Weissr in Bangalore Pl., Minsk, Belarus

Quality and certification

REHAU Window Systems meet international quality and regulatory standards, and are accredited by both international and national regulation bodies.



INNOVATIVE AND VERSATILE

CATERING TO THE WIDEST MARKETS POSSIBLE

As a world leader in polymer solutions, REHAU creates PVC extrusions for windows and doors that set new standards for premium performance and distinctive design. From aesthetics to function and durability, REHAU products benefit from quality materials and the most advanced technology.



Unrivalled benefits + easy installation make for satisfied customers

REHAU Euroslide-Design and REHAU Prestige-Design represent the **latest technological advances in window and door design.**

REHAU's extensive range meets the requirements of renovation and new construction applications in residential and commercial buildings. With nearly 60 years of expertise in product research and development, REHAU is renowned for the most innovative, well-engineered designs.

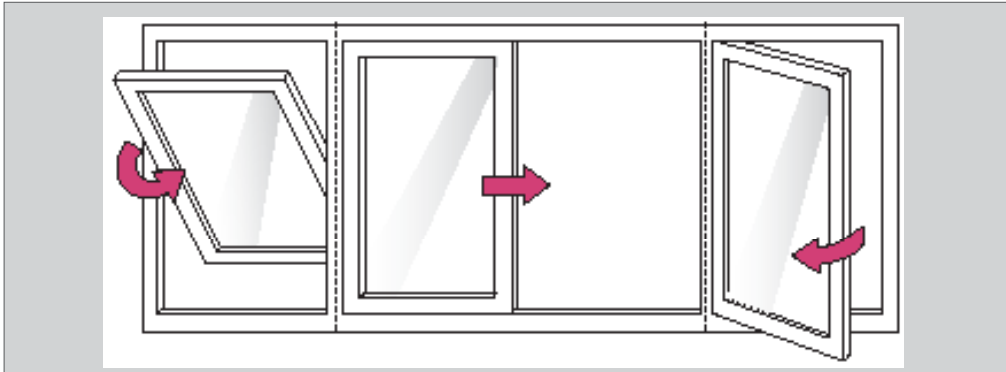
REHAU
GLOSS
FINISH

16
OPTIONS

COLOURED
& WOOD
GRAIN

DESIGN FLEXIBILITY

REHAU offers an advanced range of windows that can be mixed and matched for new buildings and replacement applications.



A total of 16 options
in just one window
system

Residential Doors



single door

French door

single/fixed
combination

tilt-and-slide

bi-fold doors

Sliding Doors



double slider

4-panel

Sliding Windows



single slider

double slider

3-panel

Inward Opening Windows



tilt-and-turn

folding-sliding

inward span with
top arch window

Outward Opening Windows



slide-hung

top-hung

side-hung /
top-hung combination

ATTRACTIVE RANGE

With a **wide range of colours and multiple configurations** to choose from, our windows visually enhance both the interiors and the facade of any home. The high-quality compound used to create the **renowned REHAU smooth gloss finish ensures** that the **windows retain their pristine appearance indefinitely.**



EFFECTIVE SOUND INSULATION

INGENIOUS DESIGN KEEPING NOISE LOW

To concentrate at work or relax after a hard day, the one factor needed for optimum results is a peaceful and quiet environment.



Tailor-made noise protection system so nothing can disturb your peaceful world

REHAU has perfected the multi-chambered profile for **effective acoustic insulation**. REHAU window and door profiles have either two or three chambers that improve thermal performance and efficiency. This multi-chamber design creates multiple blockages that effectively reduce sound transmission for better insulation.


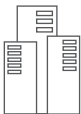

A brush seal creates additional barrier against air and dust infiltration.



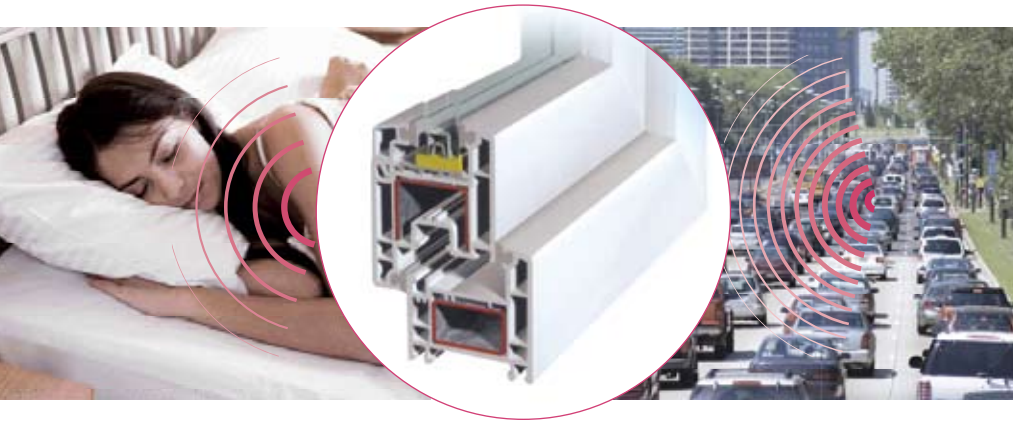
EXCEEDING RECOGNISED STANDARDS

Combined with suitable glazing, REHAU windows can **insulate interiors from sounds of up to 40dB**. This easily exceeds the recommended sound-proofing level of 30dB for sleeping in a residential area.

Sound insulation
up to 40 dB

Sound Insulation Table			
Location And Noise Pollution Level	Reccomended Max. Noise Level	Reccomended soundproofing Level of Window	Noise Protection Class
Residential Area about 60 dB 	Sleeping 25 - 30 dB	30 dB	2
	Housing 30 - 35 dB	27 dB	1
	Working 35 - 50 dB	14 dB	0
Town Centre about 70 dB 	Sleeping 25 - 30 dB	43 dB	4
	Housing 30 - 35 dB	37 dB	3
	Working 35 - 50 dB	35 dB	1
Industrial about 75dB 	Sleeping 25 - 30 dB	47 dB	5
	Housing 30 - 35 dB	43 dB	4
	Working 35 - 50 dB	30 dB	2

(dB) decibel is a logarithmic unit of measurement that expresses the magnitude of a physical quantity (usually power or intensity) relative to a specified or implied reference level.

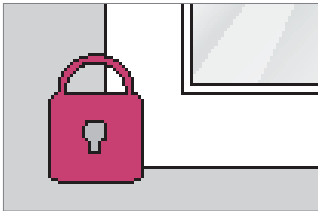


Brush seals and multi-chamber feature of the REHAU window profiles filter exterior sounds.

PEACE OF MIND

SAFETY MEASURES FIRMLY IN PLACE

Your home is your haven, which is why REHAU windows serve as an effective barrier against the intrusion of noise and unwelcome strangers.



Wall thickness is about 16% more than other systems*

Engineered with security for your family and your property in mind

You will find a set of security measures built into every REHAU window. **Our profile wall thickness is an average of 2.6mm** compared to the average German window profile thickness of 2.25mm. Most locally produced walls are no more than an average of 1.8mm thick. The thicker the profile wall, the harder it is to dislodge the window and facilitate any break-ins. Moreover, where the typical window locks at just a single point, our Eurogroove system is designed to firmly anchor **multi-locking hardware** to further deter burglars.

MULTI
LOCKING

HEAT
RESISTANCE

SELF
EXTINGUISH

RUST
PROOF

HIGH
WIND LOAD

* Based on average thickness



SELF EXTINGUISHING

REHAU uPVC is classified as a high-impact resistant material. It is notably **difficult to ignite and will self-extinguish when the source of heat is removed.**



RUST PROOFING

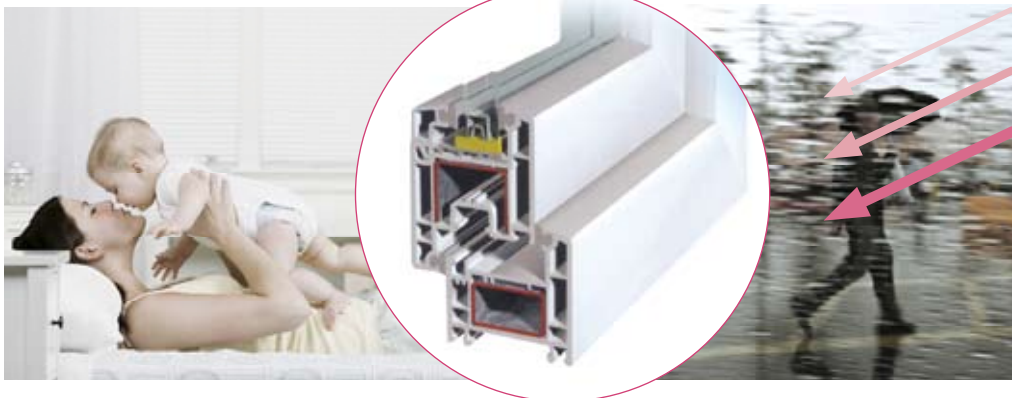
Unlike metal windows, **REHAU uPVC profiles are rust-proof and resistant to atmospheric pollution**, including a range of acids and alkalis. This also means they will never rot in the manner of wooden frames over time.



HIGH WIND LOAD PERFORMANCE

The **wind load capacities of REHAU Window Systems have been verified at a range of 3500 - 6300 Pa** (tested in accordance with GB/T7106-2002 and at estimated windspeeds of 270 - 380 km/h). In other words, REHAU windows are built to withstand the gustiest wind conditions, which makes them an ideal choice in highrises and coastal areas.

**Able to withstand
windspeeds up
to 6300 Pa and
class 9* typhoon!**



REHAU windows are resilient enough to shield you from even typhoons, ensuring safety and security indoors.

* According to Taiwan's storm surge classification system for the country

CLEAN INTERIORS

PERFECT PROTECTION AGAINST THE ELEMENTS

Solves the common problems of a high-rise urban home

These days, more people live in high-rise apartments that overlook vehicular traffic with all its noise and air pollution. This makes housekeeping even more of a chore. REHAU Window Systems have been **thoughtfully designed to keep out what doesn't belong in a clean and restful environment.**



EASY
MAINTENANCE

EXCELLENT
AIR
TIGHTNESS

EXCELLENT
WATER
TIGHTNESS



FUSS-FREE MAINTENANCE

It takes only half as much time to clean tilt-and-turn windows, as their openings allow you to swipe both sides at the same time. Being made of exceptionally durable uPVC, REHAU windows are **extremely resistant to pollution, diluted acids and alkalis**. No special maintenance regime beyond the use of appropriate standard household cleaners is required. All in all, a REHAU Window System is virtually **guaranteed to help you save plenty of time and money** over the long duration of its use.

Safe cleaning inside-out with tilt-and-turn windows



DUST PROOFING

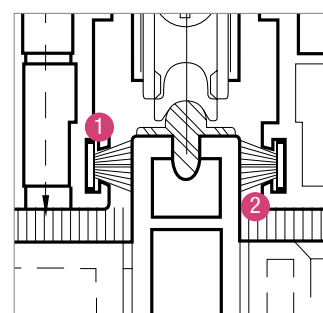
The sealing in REHAU Window Systems is calibrated to **achieve excellent air tightness of less than 0.1 m³/hr/m² @ 10 Pa** (tested in accordance with GB/T7107-2002). This effectively stops dust drifting in from the outside, which drastically **reduces the time you'll need to spend cleaning your home**.



RAIN BARRIER

REHAU windows incorporate an 8mm overlap between frame and sash, as well as dual compression gaskets, to prevent both dust penetration and water infiltration. They boast a **proven water tightness of at least 2 litres/min/m² @ 700 Pa** (tested in accordance with GB/T7108-2002). So your home stays absolutely dry however heavily it might be raining outside.

Bottomline: you spend less time on house cleaning, thanks to the tightness of your REHAU windows.



- 1 8mm overlap of frame and sash
- 2 Gasket

Easily inserted brush seals in the sash to provide protection against dust, water and energy wastage.

LONG-LASTING UTILITY

LOOKING GOOD AGAINST ALL ODDS

REHAU window system was selected for the Triumph Tower in Moscow, Russia for its long-lasting brilliant white appearance.



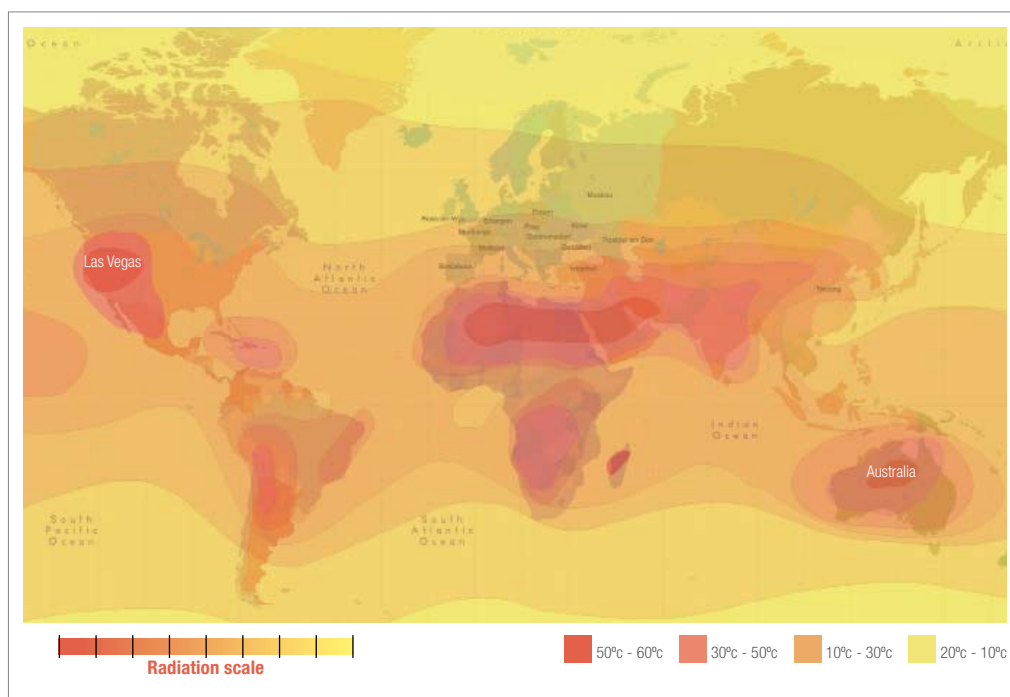
Quality materials ensure longevity of form and function

Windows are our first line of defence against the elements, and should thus be hardy enough to counter all kinds of weather conditions or forced entry. At the same time, a well-appointed home is ill-served by windows that look old and unattractive. **REHAU ensures that your windows stay the course and maintain their appearance, come what may.**



Ideal for any structure from high-rises to beach homes

Certain climatic conditions take a toll on buildings. Coastal houses, for instance, should be able to stand up to high wind loads and the corrosive effects of water. Each REHAU Window System is **specially formulated to suit the global spectrum of climates and regions.**

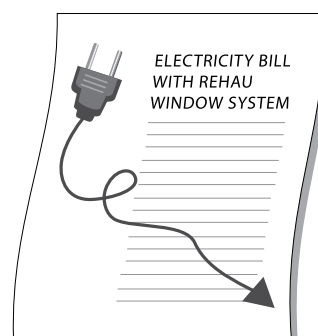


ENERGY-SAVING

REHAU windows can be installed in regions experiencing up to 180kcal/cm² per year radiation, such as the Sahara Desert or the Arctic region. They **undergo no physical trace of reduction in rigidity between -30°C and 60°C**. So the conditions of neither the Arctic region nor the Sahara Desert could ever cause a dent in any REHAU profile.

While frames made of aluminium or any other metal tend to scorch, REHAU uPVC is such a poor conductor of heat that you can lean on it comfortably and enjoy the views even on the hottest of days. More significantly, it prevents the heat outside from entering your home, thereby reducing your reliance on cooling devices such as air conditioning.

Energy savings of up to 20%*



* According to tests on double glazing glass for eight hours of air conditioning

COMPLETE PROVIDER OF QUALITY SOLUTIONS

YOUR ONE-STOP SHOP TO EXECUTE PROJECTS END-TO-END

REHAU delivers “Unlimited Polymer Solutions” and is the premium worldwide brand for polymer-based innovations and systems in building solutions, automotive and industry. We generate continuous growth through our expertise and innovative capabilities in materials development, systems design and surface technology. More than 15,000 employees at more than 170 locations around the world ensure success of our independent, privately held company.



REHAU assurance and support

REHAU is committed to excellence and quality in both its products and people. **We listen so we can offer precise and customised solutions that suit your market's needs.**

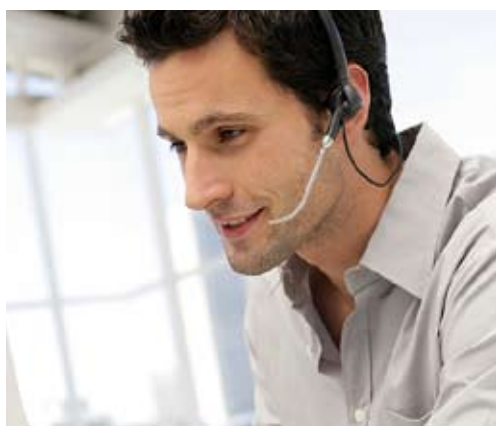
Every REHAU profile is **strictly produced according to the most stringent German engineering guidelines**, with the company certified to ISO 9001 standards. More than just a window profile supplier, **REHAU is a total solutions provider** and offers the most comprehensive line of extruded polymer construction products available.





NETWORK OF HIGHLY TRAINED PARTNERS AND INSTALLERS

Our regular organized technical seminars, workshops and trainings as part of our REHAU Training Academy programs are not only to help our partners to achieve greater professional competence, but also to build a close bond and network among us. Subsequent refresher and new product courses are also provided to ensure our partners stay abreast with the latest advancements in building technology and thereby improve their long-term competitiveness.



TECHNICAL SUPPORT

We recognise that a **successful solution requires the right tools, the know-how of an experienced team and the desire to create a product that exceeds customers' expectations.** We are happy to help our partners to achieve their goals from project planning to job-site supports via the REHAU Competence Team, which you may contact through your nearest REHAU sales office listed on the back of the brochure.



YOUR PERFECT LONG-TERM PARTNER

We offer you the strength of a world-leading brand of polymer-based solutions. One that is backed by **outstanding innovations, the most modern manufacturing technologies and flexible logistics.** You'll find in REHAU a future-oriented and reliable partner with a width and depth of expertise second to none.



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Our verbal and written advice relating to technical applications is based on experience and is to the best of our knowledge correct but is given without obligation. The use of REHAU products in conditions that are beyond our control or for applications other than those specified releases us from any obligation in regard to claims made in respect of the products.

We recommend that the suitability of any REHAU product for intended application should be checked. Utilization and processing of our products are beyond our control and are therefore exclusively your responsibility. In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by us and used by you. Our warranty assumes consistent quality of our products in accordance with our specification and in accordance with our general conditions of sale.