WINDOW AND DOOR SYSTEMS
FOR PEACE OF MIND
Choose Peace of Mind

Comfort and safety—that’s what we want from the buildings we live in every day.

We know to invest in strong roofs and sturdy walls.

But we may not think about the quality of our windows and doors. These portals to the great outdoors let in light and offer a connection to the larger world. They, too, play a large role in our comfort and safety. So if you’re renovating or building from the ground up, choose them wisely.

The right windows and doors are not only beautiful, but also durable. They make your rooms quiet, stylish and secure. They are energy efficient and easy to maintain. Choose vinyl window and door designs from REHAU and enjoy peace of mind for many years to come.
Proven Energy Performance

Heating and cooling is the largest energy expense for most buildings—it accounts for 56 percent of overall energy use.¹

Vinyl windows keep heated and cooled air inside your building, so if you choose vinyl, you could recoup your investment in as little as two years. Tests using the common measure of insulating ability, the U-factor, have shown that vinyl windows regularly outperform other products because of the frame's excellent thermal performance. Your heating and air conditioning units don’t have to work as hard to maintain the desired temperature, so you conserve energy—and save money.

¹U.S. DOE

In addition, because our products earn stringent commercial ratings and use a lot less energy to manufacture than aluminum, wood, steel or fiberglass, we can help builders achieve U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) and R-2000 standards.
## Energy, Acoustic and Hurricane Impact Test Results

<table>
<thead>
<tr>
<th>Windows</th>
<th>Configuration</th>
<th>Largest Size Tested</th>
<th>US Zone</th>
<th>Canada Zone</th>
<th>Best STC¹ Rating</th>
<th>Impact Rating</th>
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<tbody>
<tr>
<td>Picture</td>
<td>72&quot; x 72&quot;</td>
<td></td>
<td></td>
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<td>Single-Hung</td>
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<tr>
<td>Double-Slider</td>
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<td>N/A</td>
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<tr>
<td>Casement</td>
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<td></td>
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<td>Tilt-Turn</td>
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<td>Curtain Wall</td>
<td>Curtain Wall</td>
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<td></td>
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</tr>
</tbody>
</table>

¹ Sound Transmission Coefficient

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**Northern**
- Mostly Heating

**North/Central**
- Heating & Cooling

**South/Central**
- Cooling & Heating

**Southern**
- Mostly Cooling

**Alternative**
- Criteria Allowed

*Maps courtesy of Energy Star*
STRENGTH
SAFE, LONG-LASTING WINDOWS AND DOORS

Proven in Extreme Environments
Our vinyl profiles go through a stringent quality control process that enables them to excel in some of the most extreme environments.

– They’re colorfast. After five years of weathering testing in Arizona, REHAU vinyl performed better than standard industry performance.
– They defy hurricane-strength winds. We build our Stormchaser™ product line to withstand hurricane impact. These single-hung, casement and picture window designs meet the Miami-Dade County Large Missile Impact TAS 201, 202 and 203 (Florida Building Code) requirements and the Texas Department of Insurance requirements.
– They repel pollution and corrosion. Our profiles are rust-proof and resistant to atmospheric pollution, including a range of acids and alkalis and salt air.

Resistance to Almost Everything
Vinyl windows and doors are impervious to rot, blistering and flaking, as well as infestation by termites or other insects. Vinyl resists mold and mildew, and scratching a vinyl window will not require any touch-up. Even better, a heavy rain or simply a quick wash with water and mild soap will keep vinyl windows and doors clean.
Tested to High Standards

All REHAU window and door designs undergo rigorous testing to meet or exceed the American Architectural Manufacturers Association (AAMA) and the Canadian Standards Association (CSA) structural, air and water standards. From single-hung, side-load windows and patio doors to tilt-turn windows and French doors, you’ll find designs of unmatched performance that help your home or building project stand out.
At 865 ft (264 m), the Triumph Palace in Moscow is Europe’s tallest residential building. REHAU window designs were used for most of the windows.
Sustainability Through PVC

There has been much controversy surrounding the manufacture, use, recycling and sustainability of the material used to make vinyl windows and doors, polyvinyl chloride (PVC). Its use has been under intense and hostile attack for a number of years, primarily because of its association with chlorine chemistry. Much of this argument has been emotionally driven rather than based upon scientific scrutiny.

One of the world’s oldest polymers, PVC has evolved since the 1940s to become a universally used, cost effective, adaptable, safe and environmentally efficient material. PVC’s unique properties make it the material of choice for many applications, including construction, transportation, electronics and health.

PVC has several sustainable features. It is…

- Durable. Vinyl’s long service life conserves raw materials and prevents pollution associated with manufacturing and disposing of other short-life alternatives.
- Lightweight. PVC takes less fuel than other materials to transport.
- Recyclable. 99 percent of vinyl’s manufacturing waste can be reprocessed; millions of pounds of post-consumer vinyl is recycled.
- Using qualified energy-efficient vinyl windows can help designers attain LEED certification.

At REHAU, we consider the long term when developing our products. We provide reliable, long-lasting polymer solutions that address sustainable design priorities such as energy efficiency, comfort and convenience, and health and safety. Our goal is to design integrated systems that enhance our customers’ quality of life while conserving resources throughout the products’ life cycle.

The PVC Recycling Process

PVC is an ideal polymer for recycling. Unlike many other materials PVC can be recycled simply by chipping the waste material and extruding into new products.
Mulled Units and Accessory Profiles

Windows of different types can be joined or mulled together to form a wide variety of attractive designs. These mulled units can be properly reinforced to ensure the finished product performs admirably. REHAU provides all the components necessary to manufacture mulled units that are both structurally sound and aesthetically pleasing. We also provide a variety of accessory profiles including brickmolds, J-channels, jamb extensions and drywall returns for adapting our windows to different wall configurations.

Colors

At REHAU, we offer solid PVC colors of white and beige. However, if you are looking for architectural appeal and the ability to customize your windows, REHAU’s advanced foil lamination process lets you create the look of wood on your vinyl windows. Foils in a variety of solid colors are also available to provide distinctive appeal to any building façade.

You’ll live with your choice of windows and doors for years to come. Why settle for anything less than custom-built vinyl designs that meet your needs? Our unique selection of styles, colors and high performance features is certain to complement your building and your lifestyle.

Choose from:
- Custom sizes, shapes and trim options that add architectural appeal
- Vinyl finishes that look like real wood yet need less maintenance
- Designs that can meet nearly any energy or structural goal and keep rooms quiet

Mulled Units and Accessory Profiles

Windows of different types can be joined or mulled together to form a wide variety of attractive designs. These mulled units can be properly reinforced to ensure the finished product performs admirably. REHAU provides all the components necessary to manufacture mulled units that are both structurally sound and aesthetically pleasing. We also provide a variety of accessory profiles including brickmolds, J-channels, jamb extensions and drywall returns for adapting our windows to different wall configurations.
REHAU has a full line of window and door designs to meet your specific needs. With more product types and profile options, you can count on us for a window or door product to complete any project, whether it’s residential or commercial.

**Hungs and Sliders**

From a side-load and tilt design that is perfect for contractors to high-performance designs that meet stringent building codes, we have a variety of PVC hung and slider windows that will match what you want. All designs are fully-welded, and many are available in sloped sill or pocket sill configurations.

**Casements and Awnings**

If you are looking for a distinct millwork finish, sleek appearance and high performance, a casement window design may be the perfect solution for your next building project. Casement windows, which provide more light and a larger view, are ideal for creating combinations with picture or awning window designs. The architectural appeal of this window style can be applied in both remodeling and new construction. Awnings and hopper style windows can also be created.

**Tilt-Turns**

The tilt-turn window design is our top-of-the-line product offering. You get three window designs in one: an inward opening casement in the turn position, convenient top ventilation in the tilt position and an elegant picture window when closed.

**Pictures, Bays or Bows**

The picture, bay or bow window can be custom-built to any size to create a distinctive appearance and an open feeling.
**Sliding Doors**
Customizable and versatile, these doors have configurations for new construction and replacement in residential and light commercial applications and require less space than hinged doors.

**Hinged Doors**
These are available in different styles including hinged inswing doors and hinged outswing doors. Outswing doors are a great option if interior space is limited and typically perform better in high-wind environments. An Americans with Disabilities Act (ADA) compliant threshold is available.

**Curtain Wall**
Our hybrid curtain wall offers a single or multi-story wall system. This system has outstanding thermal insulation that fulfills the requirements for modern, energy-efficient buildings. With a slim profile of only two inches, you receive a maximum daylight opening without obstructing your view. Curtain wall systems can incorporate operable windows.
REHAU
A SOUND INVESTMENT
If you’re a homeowner or a contractor in the process of building something new or remodeling, investing in REHAU window and door designs will reap many lasting rewards.

Your family and customers will be comfortable while enjoying lower heating and cooling costs. Additionally, you will have peace of mind that you chose windows and doors that are backed by 60 years of expertise in product research and development.

Finally, by choosing a REHAU product, you will have made a long-term investment in the finest quality, best-engineered windows and doors available in today’s market. At the same time, you will have made a decision that benefits the future of our planet. What could be more rewarding?

For more information on our products or to find a local manufacturer that produces our systems, visit www.na.rehau.com/windows
Construction Market Leader

With technically superior programs, REHAU is a pioneering leader and established systems provider in the construction market. Competence and innovation are our trademarks. We are your single source for many construction products: for window and curtain walling technology, for building technology (including radiant heating, plumbing and fire protection), and for civil engineering and infrastructure technology (including systems for water supply, waste disposal and geothermal energy).

About REHAU

REHAU delivers “Unlimited Polymer Solutions,” and is the premium worldwide brand for polymer-based innovations and systems in construction, automotive and industry. The company generates continuous growth through its expertise and innovative capabilities in materials development, systems design and surface technology. More than 14,000 employees at more than 170 locations around the world ensure the success of the independent, privately held company.