

ALLERS ALUMINIUM

Introducing Our Latest Innovation:

uPVC Windows & Doors

Allers Aluminium is proud to expand our offering with high-performance uPVC solutions—designed for durability, energy efficiency, and modern living.





ALLERS ALUMINIUM

Innovation Technology

Rehau systems are built for superior performance.

Why choose uPVC?

- **Security** - provide superior security & reliable protection
 - Multi-point locking, reinforced frames, toughened / laminated glass
 - Construction via seamless welding, fuses profiles into a single solid frame, resulting in a safe and tough assembly
- **Excellent Weatherability** - say goodbye to corrosion and sun damage.
 - Heat resistant
 - UV stable
- **No Rust, Rot & Warping**
 - uPVC resists rust, rot, and warping, giving you a long-lasting, low-maintenance solution.
- **Acoustic Insulator** - Reduce outdoor noise for quieter living.
- **Thermal Insulator** - keep your or building cooler in summer, warmer in winter
- **Glazing Options**
 - Single or Double glazing
- **Configuration Options**
 - Sliding, Turn-tilt, Top-hung or Side-hung Windows
- **Cost Effective**, without compromising on quality
- **Energy Efficient**
 - Welded Corners
 - Does not conduct heat as Aluminium frames do
- **Strength & Lightweight**
- **Low Maintenance**
 - Easy to clean
 - Resistant to most chemical products
- **Riget & Durable**
 - No fading
 - Tough
 - BPA Free & Non-toxic
- **Recycled**
 - Better and stronger than new materials
- **Available In Various Colours**
- **Structure Integrity**
 - Designed to resit high wind loads
- **Trusted Brand**
 - When compared side by side, REHAU profiles consistently deliver better performance, longer durability, and greater peace of mind than cheaper, generic alternatives.

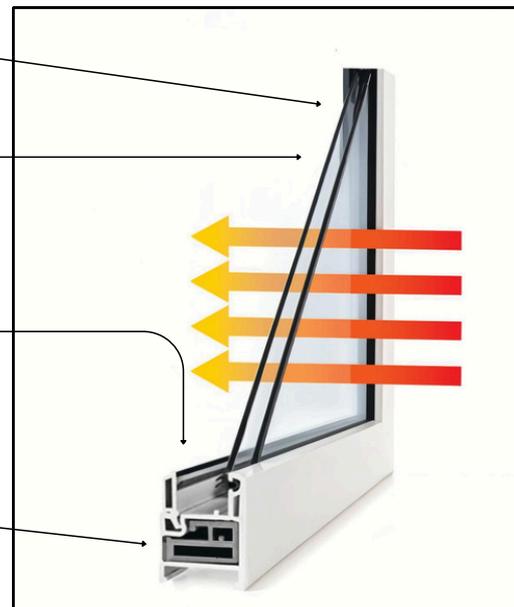


Thermal and sound insulating uPVC profile

Compatible with single and double glazing

Gasket for tight sealing

Composite and galvanized reinforcement



uPVC vs Aluminium

Not all frames are equal

Comparing uPVC to basic hollow aluminium frames is like comparing a multi-layer insulated wall to a single-sheet metal panel. Both act as barriers—but only one offers superior thermal insulation, noise reduction, and long-term performance.

Feature	Rehau uPVC	Hollow Aluminium
		
Energy Efficiency	✓ Fully Insulated	✗ No Thermal Break
Soundproof	✓ Multi-Chambered	✗ Hollow = Noisy
Maintenance	✓ No Painting, No Rust	✗ Prone to Fading, Chipping
Coastal Durability	✓ Corrosion-Free	✗ Rust Quickly
Seals & Gaskets	✓ Long-Lasting	✗ Frequent Failures
Security	✓ Multi-Locking	✗ Often Single-Point Only
Drainage	✓ Built-In System	✗ Risk of Frame Flooding
Longevity	✓ Colourfast, UV Safe	✗ Fades & Dulls Over Time
Value	✓ Save Money Over Time	✗ More Repairs, Less Benefit

Engineered for Performance. Designed for the Future.

With over 70 years of global experience in advanced polymer engineering, REHAU delivers premium uPVC window and door systems trusted by architects, contractors, and developers worldwide. In South Africa, our commitment is local—with fully equipped manufacturing partners, technical support teams, and warehousing in Isando, Johannesburg.



Window Range Overview

The future of innovation

	Top Hung	Side Hung	Tilt & Turn	Sliding	Fixed	Price Point
Pure Line	✓	✓	✗	✗	✓	Budget
Ecotec	✓	✓	✓	✗	✓	Premium
Euro Design Slide	✗	✗	✗	✓	✗	Premium
Agila	✗	✗	✗	✓	✗	Elite

Fenestration Area	Maximum Fenestration Value	Cold Aluminium	uPVC
≤ 20%	Any Solution	Single Glazing	Single Glazing
≤ 25%	5.2		
≤ 30%	4.4	Double Glazing	Double Glazing
≤ 35%	3.8		
≤ 40%	3.3	Not Possible	Double Glazing
≤ 45%	3		
≤ 50%	2.6		
≤ 55%	2.4		
≤ 60%	2.2		
> 60%	2	Not Possible	Not Possible

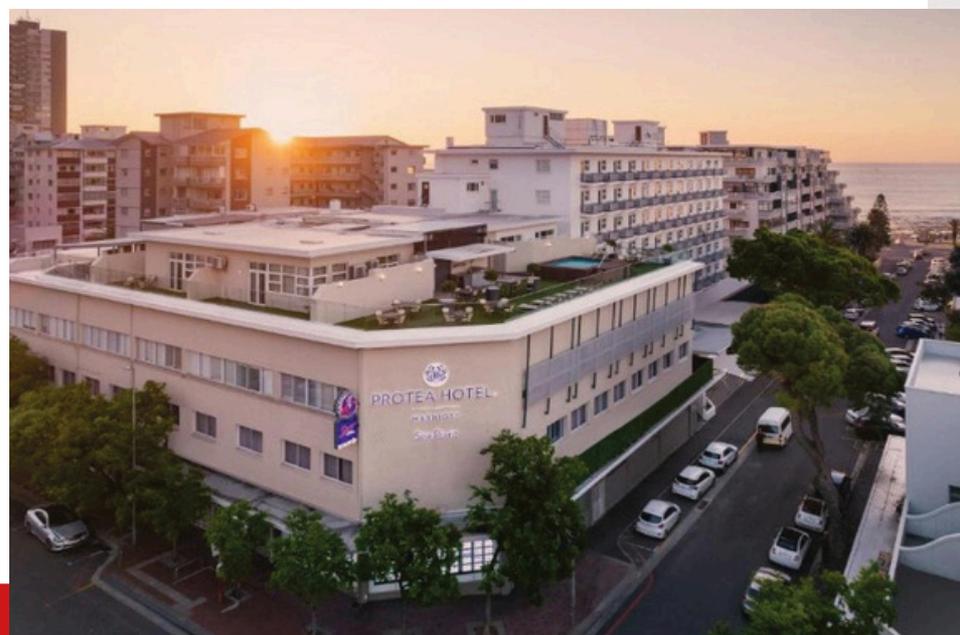
For commercial buildings, uPVC frames offer a significant advantage in achieving lower U-values and improving overall energy performance.

In contrast to hollow aluminium frames—commonly used in South Africa but known for their high thermal conductivity and heat leakage—uPVC provides superior insulation due to its low thermal conductivity and multi-chambered design. This helps reduce unwanted heat transfer, resulting in significantly lower U-values that contribute to energy savings and improved indoor climate control.

Additionally, uPVC requires minimal maintenance and offers long-term durability, making it a cost-effective and efficient choice for commercial developments aiming to meet modern energy efficiency standards.

PROTEA HOTEL SEA POINT OPTS FOR ECOTEC WINDOWS

At the Protea Hotel Sea Point, ECOTEC window profiles were selected to create a quiet, low-maintenance environment—ideal for the hotel’s location in a bustling, coastal setting. The profiles offer excellent sound insulation and are resistant to corrosion, making them perfectly suited for seaside conditions.





PURELINE CASEMENT

Construction Depth:	30mm
Chambers:	1 Chambers
Thermal Insulation: (Glass & System Dependent)	Uw = 2.9W/m ² K = DGU (Double Glazing Unit) Uw = 4.6W/m ² K = SGU (Single Glazing Unit)
Sound Insulation:	Up to 32dB
Test Certified:	SANS 613
Glazing Capacity:	4mm ~ 18mm

PURELINE Single Glazing offers a U-value up to 2.9 and an SHGC up to 0.41—ideal for South African climates.

Unlike aluminium, our low-conductivity uPVC frames reduce heat transfer, improving insulation and energy efficiency.

PURELINE also cuts external noise by up to 32 decibels. When paired with the right glazing, it creates a more peaceful indoor space. With uPVC, you can increase fenestration area using the same glass, saving on material costs while maintaining similar pricing across our standard PURELINE profiles.



ECOTEC CASEMENT

Construction Depth:	60mm
Chambers:	3 Chambers
Thermal Insulation: (Glass & System Dependent)	Uw = 2.1W/m ² K = DGU (Double Glazing Unit) Uw = 3.3W/m ² K = SGU (Single Glazing Unit)
Sound Insulation:	Up to 40dB
Test Certified:	SANS 613
Glazing Capacity:	4mm ~ 30mm

Engineered for versatility across residential and commercial projects, the **ECOTEC** 60mm profile system offers a cost-effective, high-performing solution for modern fenestration requirements.

This 3-chamber profile system supports double glazing with a U-value of up to 2.1 and a Solar Heat Gain Coefficient (SHGC) of up to 0.34—ensuring improved thermal efficiency and occupant comfort year-round.

Designed with practicality in mind, **ECOTEC** features dual seals for reliable protection against wind, rain, and dust. The smooth surface finish and streamlined profile geometry simplify cleaning and reduce maintenance demands over time.

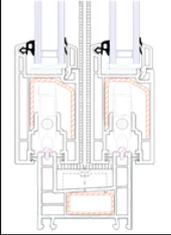
Ideal for developers, contractors, and specifiers seeking a dependable, easy-to-install system that meets both budget and performance expectations.

Rehau Doors

Anything but ordinary

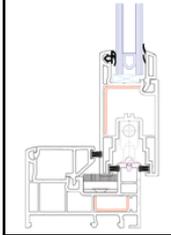
Take what comes to mind when you think of patio doors and put it aside. REHAU doors are designed to open up the spaces you live in. Our sliding patio door designs are customizable, versatile and work equally well as the perfect solution for your replacement project, a new addition or new construction.

	Single Door	French Door	Slide & Fold Door	Sliding Door	Stacking Door	Price Point
Pure Line (Standard Profile)	✗	✗	✗	✓	✗	Budget
Ecotec (Premium Profile)	✗	✓	✓	✗	✓	Premium
Euro Design Slide (Premium Profile)	✗	✗	✗	✓	✗	Premium
Agila (Premium Plus Profile)	✗	✗	✗	✓	✗	Elite

 EURO DESIGN SLIDE	
Construction:	60mm (Double Track)/ 108mm (Triple Track)
Chambers:	3 Chambers
Thermal Insulation: (Glass & System Dependent)	Uw = 2.1W/m² K=DGU (Double Glazed Unit) Uw = 3.3W/m² K = SGU (Single Glazed Unit)
Sound Insulation:	Up to 32dB
Test Certified:	SANS 613
Glazing Capacity:	3mm ~ 24mm

The **REHAU Euro-Design Slide System** enhances security with multiple locking points, fusion-welded corners, and steel-reinforced, multi-chambered profiles. It meets SABS 1553 and SANS 613 structural, air, and water standards, with high performance in coastal and acoustic settings. All profiles carry a **10-year limited warranty**.

This 60mm system suits both renovations and new builds. Its multichambered design improves insulation, while the 8mm sash overlap ensures a tight seal—saving energy and preventing dust or water ingress. Components can combine with other REHAU systems for flexible design options.

 PURELINE SLIDE	
Construction:	60mm (Double Track)/ 116mm (Triple Track)
Chambers:	1-4 Chambers
Thermal Insulation: (Glass & System Dependent)	Uw = 2.9W/m² K=DGU (Double Glazed Unit) Uw = 4.6W/m² K = SGU (Single Glazed Unit)
Sound Insulation:	Up to 32dB
Test Certified:	SANS 613
Glazing Capacity:	4mm ~ 18mm

The **REHAU PURELINE Slide System** offers construction depths of 60mm (double track) or 116mm (triple track) and features 1–4 insulating chambers. It provides thermal insulation values of up to $U_w = 2.9W/m^2K$ with double glazing and up to $U_w = 4.6W/m^2K$ with single glazing, depending on the glass used.

Sound insulation reaches up to 32dB, helping to create a quieter interior environment. The system is certified to SANS 613 standards and accommodates glazing from 4mm to 18mm in thickness.

Meet industry's highest performance standards



AGILE HIGH SLIDER



Construction:	86mm (Double Track)/ 160mm (Triple Track)
Chambers:	2-3 Chambers
Maximum Size:	Up to 5m x 2.5m (Dependent on Configuration)
Thermal Insulation: (Glass & System Dependent)	Uw = 1.6W/m ² K=DGU (Double Glazed Unit) Uw = 3.3W/m ² K = SGU (Single Glazed Unit)
Sound Insulation:	Up to 32dB
Max Sash Weight:	100kg per door using a 3-wheel roller 160kg per door using 5-wheel roller
Test Certified:	SANS 163
Glazing Capacity:	3mm ~ 30mm

The **REHAU AGILA High Slide System** offers robust construction at 86mm (double track) and 160mm (triple track), with 2–3 chamber profiles. It supports large openings up to 5m x 2.5m and accommodates glass thicknesses from 3mm to 30mm. Thermal insulation reaches $U_w = 1.6W/m^2K$ with double glazing and $U_w = 3.3W/m^2K$ with single glazing. Sound insulation is up to 32dB. Certified to SANS 613, it supports sash weights of 100kg with 2 wheel tandem rollers.

Profile Colours

Smart design, timeless colours

Available window profile colours:

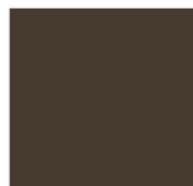
Standard Colours Available in Stock. Rehau profiles are protruded in white. Painted profiles are available in 4 standard colours. All other RAL chart colours are available on request and are subject to lead times.



Jet black



Anthracite grey



Sepia brown



Matt stone grey



White



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CERTIFIED FABRICATORS