



# Polyframe. Making things simple.

Now you're talking.

# Polyframe

The UK's Largest Independent Fabricator of Trusted PVCu Systems for **over 30 Years.**

We understand that it's important to be able to meet demand for design flexibility and cost-effective time-saving solutions.

We listen and work with you to ensure we're providing the best service and the best products we can.



## Support and efficiency

From design to fitting, our expert teams have been specifically trained to help you get the very best out of our products.

With one of the highest quality products on the market, with probably the most comprehensive range of styles, colours and applications, Polyframe can match your project style with confidence. Whilst our Rehau products are manufactured with quality and attention to detail in mind. Nothing is rushed. Nothing is left to chance.



## Quality you can trust

Even though we produce over 6,000 frames per week, every Polyframe window and door is meticulously engineered and fabricated to your exact requirements.

From high-security multi-point locking systems, to super-efficient double glazing, Polyframe systems make for an outstanding finished product.



## The facts



Over **6,000**  
frames per week

Over **30** years' experience

**Superior quality** system



All **70mm** profile in  
a choice of sculptured  
and chamfered

**Full PVCu** window and  
door product range

**22** colours and finishes

**10** year guarantee

**Yale-backed**  
Polyframe Protection  
Promise guarantee\*

\*Specific to hardware configurations/restrictions apply.

# The complete range

**Superior quality, distinctive styling.** Our multi-system PVCu window and door products bring undeniable beauty to your project.

In today's world of modern living, new-build and renovation projects demand the flexibility of space, and our product range has been designed to accommodate almost any application.



CASEMENT WINDOWS



FLUSH FIT WINDOWS



TILT & TURN WINDOWS



FULLY REVERSIBLE WINDOWS



ENTRANCE DOORS



FRENCH DOORS



SLIDING DOORS



SHAPED FRAMES



# Benefits & Features



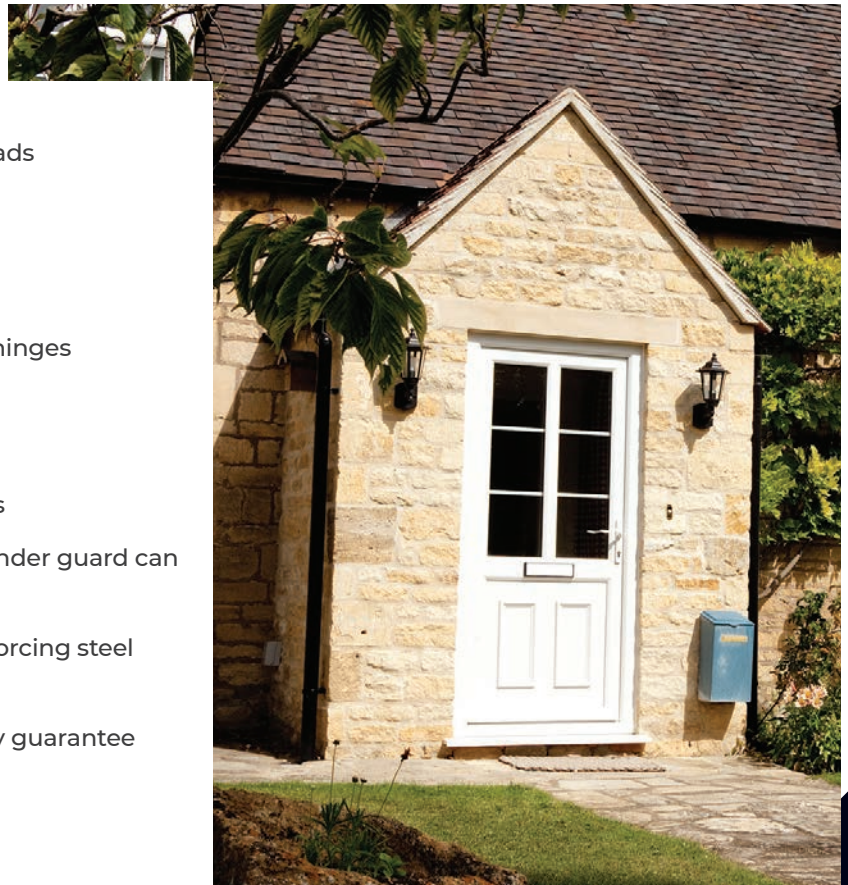
## Windows

- Internally glazed casements
- Designed to accept the latest hardware innovations
- High-security suited handles in a range of colours
- Galvanised steel reinforced to British Standards
- Window Energy Ratings – A+, A and B to all products
- PAS24 available on standard product configurations\* and comply with the latest Part Q Building Regulations
- Triple-glazing options
- Polyframe Protection Promise – security guarantee backed by Yale
- Secured by Design available

## Doors

- 70mm frame depth
- 28mm, 36mm and 44mm single leg beads sculptured or flat\*
- Internally beaded
- Colour suited PVD finished hardware
- Fully adjustable 3-directional door flag hinges
- 8-point high-security hook lock system
- 6-pin anti-drill cylinder as standard
- Keyed-alike cylinders to all French doors
- 1 star and 3 star cylinders available. Cylinder guard can be provided to 1 star cylinder, if required
- All doors incorporate heavy gauge reinforcing steel with a one-piece keep\*
- Polyframe Protection Promise – security guarantee backed by Yale

\*some exclusions apply



# Let's talk colour

**Our Rehau window system** is complemented by a comprehensive range of colours, finishes, and applications.

With 12 standard colours to choose from and a total of 22 colours and finishes available, the most spectacular colour options come together to provide your customers with a truly unique and beautiful home.



COLOUR		SIDES	SUBSTRATE	CHAMFERED PROFILE SUITE	SCULPTURED PROFILE SUITE	RIO FLUSH SASH WINDOWS	TILT & TURN	FULLY REVERSIBLE	AGILA PATIO
	GOLDEN OAK	1	WHITE	✓	✓	✓	✓	✓	✓
		2	CARAMEL	✓	✓	✓	✓	✓	✓
	ROSEWOOD	1	WHITE	✓	✓	✓	✓	✓	✓
		2	BROWN	✓	✓	✓	✓	✓	✓
	MAHOGANY	1	WHITE	✓		✓	✓		
		2	BROWN	✓		✓	✓		
	ANTHRACITE GREY SMOOTH	1	WHITE	✓		✓	✓	✓	✓
		2	GREY 7016	✓		✓	✓	✓	✓
	ANTHRACITE GREY GRAINED	1	WHITE	✓	✓	✓	✓	✓	✓
		2	GREY 7016	✓	✓	✓	✓	✓	✓
	IRISH OAK	1	WHITE	✓		✓	✓		
		2	ACORN	✓		✓	✓		
	PEARL GREY	1	WHITE	✓		✓	✓		
		2	NA						
	CHARTWELL GREEN	1	WHITE	✓	✓	✓	✓		
		2	WHITE	✓	✓	✓	✓		
	SLATE GREY SMOOTH	1	WHITE	✓		✓	✓		✓
		2	WHITE	✓		✓	✓		
	WHITE GRAIN	1	NA						
		2	WHITE		✓	✓	✓	✓	✓
	CLOTTED CREAM GRAINED	1	WHITE		✓	✓	✓		✓
		2	WHITE		✓	✓	✓	✓	✓
	BLACK BROWN	1	WHITE		✓	✓	✓	✓	✓
		2	BROWN		✓	✓	✓		✓

## Windows

Each project is unique and that's why you can trust the **UK's largest manufacturer** of World's leading window profile.

Renowned for durability, aesthetics and performance, our sleek Rehau profile is available in a wide range of foils.



### Sculptured (Total70S) and Chamfered (Total70C)

There are two casement window options to choose from:

The REHAU TOTAL70 Window and Door System comprises a range of multi-chambered profiles that are designed to meet the requirements of the new-build, commercial and domestic refurbishment markets.



#### Rehau Total70s

is a suite of fully sculptured profiles offering heightened style to both modern and traditional properties.

- 28mm single leg bead, sculptured or flat
- Pre-inserted black low-line gaskets throughout
- 5-chamber profiles for improved thermal performance
- Choice of 3 outer frame sizes
- Over 22 colour combinations
- Triple-glazing is available
- Astragal bar option available
- Run-through sash horns available



#### Rehau Total70c

is a simple yet elegant chamfered system, helping to create our beautiful contemporary frames.

**Rehau Total70** contains a unique compound with a smooth gloss finish – ensuring its pristine appearance is retained.







**POLYFRAME  
PROTECTION  
PROMISE**

**Available with Polyframe Protection Promise - the best homeowner security guarantee on the market, backed by Yale.**  
For more information see page 20.

## Rehau Rio Flush Windows

The Rio flush fit window combines the realistic look and feel of timber, with all the benefits of PVCu. With the Rehau Rio window range, you can have the contemporary performance of a PVCu without compromising the aesthetic of the home.

REHAU Heritage Georgian bars can be used to provide a chamfered finish outside and sculptured finish inside to retain a more traditional look.

- 28mm glazing as standard with option for 36mm triple glazing (not available in 44mm option)
- Traditional low level sculptured bead
- Integral low level gasket
- Choice of frame depths: 52mm, 62mm, 72mm
- Choice of frame styles: sculptured or chamfered
- External chamfer detail for smoother sightlines



## Residential, French and Patio doors

- Two Part M compliant options, including 25mm aluminium and 52mm or 62mm low plastic thresholds
- Ramps are available with aluminium threshold if site conditions dictate
- Feature grooved with flush knife reverse butt weld
- Pre-inserted black low-line gasket throughout
- Screw-on drip bar – Chamfered
- Over 22 colour combinations

# Hardware & Locks

From tri-clad finishes to multi-lock handles, beautiful windows and doors call for a finishing touch to match. That's why the choice of hardware available for all Rehau window systems offers the ultimate combination of quality, security and elegance.

Our hardware doesn't just look the part, it plays a major part in the security and performance of our windows and doors – including those products which contribute to a system that's PAS24 compliant, that's covered by the Secured by Design accreditation.

From our range of stylish ERA handles and YALE shootbolt window locks, Fab&Fix\* door and window handles, Mila door handles are used for Satin Anodised Finish and Yale Platinum 3 Star cylinders, to exquisitely engineered window and door hinges and the technologically superior Yale Rapide window lock, our hardware ranges are tough to beat.

*\*Mila handles are used for satin silver handle products.*





Please refer to the tables below for a quick reference guide as to what is on offer through Polyframe.

WINDOWS	Lock	Hinge/Friction Stay	Hinge Protector	Handle	bsi KM734056 B58529/PA524	Secured by Design SBD Police Preferred Specification	POLYFRAME PROTECTION PROMISE Backed by Yale
STANDARD SPECIFICATION	Mila Ideal Espag	Yale Friction Stay	N/A	ERA Maxim	No	No	No
UPGRADED SPECIFICATION	Yale Shootbolt	Yale Friction Stay	Yale Hinge Guards	ERA Maxim	Yes	Yes	Yes
PREMIER UPGRADED SPECIFICATION	Yale Rapide	Yale Friction Stay	Yale Hinge Guards	ERA Maxim	Yes	Yes	Yes

\*Upgraded options are available on Tilt & Turn or Reversible windows, but require glazing clips.

CASEMENT HANDLE COLOURS	REHAU
WHITE	✓
BLACK	✓
POLISHED GOLD	✓
CHROME	✓
SATIN	✓



ERA Maxim Window Handle

DOORS	Lock	Cylinder	Hinge	Handle	bsi KM734056 B58529/PA524	Secured by Design SBD Police Preferred Specification	POLYFRAME PROTECTION PROMISE Backed by Yale
STANDARD SPECIFICATION	Yale Multi-Point	6 pin	Mila Pro Secure	Fab & Fix	No	No	No
UPGRADED SPECIFICATION	Yale Multi-Point	Yale 1* <i>With cylinder guard</i>	Mila Pro Secure	Fab & Fix	Yes	Yes	Yes
PREMIER UPGRADED SPECIFICATION	Yale Multi-Point	Yale 3* <i>Cylinder only</i>	Mila Pro Secure	Fab & Fix	Yes	Yes	Yes

\*Upgraded options are not available on Patio or Bi-fold doors.

DOOR HANDLE COLOURS	REHAU
WHITE	✓
BLACK	✓
POLISHED GOLD	✓
CHROME	✓
SATIN	✓



Mila Pro Secure Hinge

# Window Hardware & Locks



## Yale Rapide Window Lock

The Rapide window lock is a unique fully retractable window lock, sitting flush within the Eurogroove, removing the common issues of cam clash and keep alignment found with other styles of lock.

The unique rotating action of the lock provides users with a smooth and easy to close window, with minimum wear to components, leading to a long service life with no loss of compression.

- Superior strength: Fully occupying the eurogroove, Rapide's robust aluminium channel significantly enhances the structural strength
- Advanced performance: Unlike all other window locks, Rapide engages the full length of the keeps, for ultimate security and customer peace of mind
- Instant performance: No need to adjust cams or replace keeps during or after installation - simplifying installation and reducing call backs
- Superior corrosion resistance: Rapide's aluminum construction delivers superb corrosion resistance, further enhancing product service life - even in aggressive environments
- Flexible system: Rapide's off-set locks allow for lower handle placement - enabling greater design freedom and easy operation of taller windows



Yale Rapide

## Specifications

- Corrosion tested to BS EN 1670 Grade 5 (480 hours. NSST)
- Endurance tested to 30,000 cycles
- 12-year Mechanical Guarantee

## Handles



ERA Maxim



ERA Maxim Tilt Safe Tilt & Turn



Mila Hero Inline Fully Reversible



## Yale Shootbolt Window Lock

- High security shootbolt system
- Adjustable mushroom cams offer enhanced anti-separation performance, together with simple compression adjustment
- BBA certification
- Corrosion tested to BS EN 1670:2007 Grade 4 (240hrs. NSST)
- Endurance tested to 50,000 cycles
- Designed to achieve PAS 24:2022



Yale Shootbolt  
Central Locking Shown



## Yale Revolution Reversible Window Hinge

- Covers sash heights from approximately 290mm - 1790mm.
- Carry capacity up to 80kg.
- The sash fully rotates on the outside of the building.
- Patented configurable dual closing function
- Anti blow back
- Easy close
- Unique key-lockable safety restrictor.
- Performs to: BS 6375 Parts 1 & 2, BS EN 14351 Part 1, BS 8213 Part 1, BS EN1670 Grade 4
- Can achieve PAS24.



## Door Hardware & Locks

### Lock



Yale Multi-Point

### Cylinder



6 pin



Yale 1\*



Yale 3\*

### Hinge



Mila Pro Secure

### Handle



Fab & Fix

# Let's talk... security

We are passionate about our products and the enhancements they can deliver. But we're also serious about adding security and reassurance, that's why all of our contemporary profiles are available with the **Polyframe Protection Promise**.

As the best homeowner security guarantee on the market, our **Protection Promise** is backed by Yale to offer outstanding protection.

## Yale Lifetime Guarantee



World-renowned as the leading name in home security, Yale offers the very best when it comes to property protection. With our trusted range of Yale-eligible hardware, you can rest assured that your any building is professionally protected. With the Yale Lifetime Guarantee, you can benefit from the ultimate peace of mind that ongoing protection brings.

You can even enjoy an upgrade to the standard Yale offer (Polyframe Protection Promise) when they choose a full suite of eligible Yale-approved hardware to PAS24:2022.



## Door security

Having high-performance door security features is important for the safety of the home and possessions.

Intelligently designed multi-point lock technology along with advanced gearbox technology gives complete peace of mind.

- 2 pre-compressed rollers allowing the door to seal prior to the hooks engaging for a smooth operation
- 2 upward locking steel hooks to maximise strength
- 2 anti-lifting pins which automatically engage when hooks are thrown, providing enhanced security
- 1 central reverse locking steel hook latch



# Window security

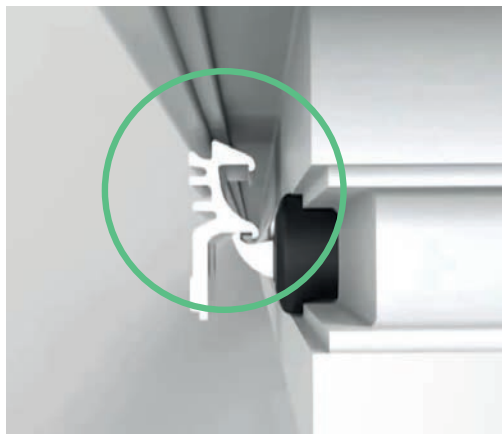
Our technologically advanced windows feature outstanding locking mechanisms engineered from high-strength materials and designed to protect homes if under forcible attack.

All our windows are rigorously tested against attack and have additional upgrades available, including locking mechanisms up to 8 locking points\* to achieve Secured by Design accreditation.

Secured by Design is a UK Police initiative aimed at setting heightened levels of security and testing to reduce burglary and crime. In order to achieve Secured by Design, windows and doors must include additional security features such as hinge guards and glass retention clips. And so, our windows and doors do.

As well as security testing, the window system has been tested to over 25,000 cycles which equates to over 25 years of use. They truly are made to last.

\* When the correct Yale-approved hardware and security configuration to PAS24:2022 is installed.



## NEW Product... the revolutionary new Rapide lock by Yale

The Rapide Lock from Yale has been created with style and security in mind, and is patented by the world's favourite lock brand.

Designed with security at its forefront, the Rapide Lock offers durable protection you can rely on, as the strongest, safest and most secure window lock on the market.

Key features of the revolutionary new Rapide Lock by Yale:

- Stronger – 300% more contact than standard window locks
- Safer – Tested beyond British Standards of extreme attack
- Longer Lasting – Tested over 42 years of use
- Corrosion Resistant – Tested to the most extreme weather conditions

**8-point locking system upgrade available for added security**

Offering greater lock engagement for additional security, the innovative Rapide Lock is a game changer in the industry. It connects along the full length of the window keep for sleek and effective protection and comes with a 12-year guarantee.



When you choose a full suite of eligible Yale-approved hardware to PAS24:2022, you can enjoy the Polyframe Protection Promise† which is backed by Yale to offer outstanding protection against forced entry into homes, making it the best homeowner security guarantee available.

As a commitment to our guarantee, we even offer up to £6500 in compensation should you experience a break-in by means of snapping our high-security Yale cylinder within one of our doors, or one of our Yale multi-point locking systems. Our cylinders feature a sacrificial cut, ensuring only the tip snaps off if the end is grabbed, leaving inaccessible metal ahead of the central locking mechanism.

Please speak to us to find out the full range of security options.



Did you know

**67%**



**of burglars**  
break in  
through the  
door?







When you choose a full suite of eligible Yale-approved hardware to PAS24: 2022, they will benefit from Polyframe Protection Promise:



**UP TO £2,000 TOWARDS HOME INSURANCE EXCESS**



**UP TO £2,000 TOWARDS REPAIRS OR REPLACEMENTS**



**UP TO £2,000 COMPENSATION**



**UP TO £500 REFUND ON CALL-OUT FEES**



**10% OFF YALE SECURITY PRODUCTS AT [YALESTORE.CO.UK](https://www.yalestore.co.uk)**

# Help with... new Building Regulations

## Conserving energy (PART L)

We are proud to be a responsible manufacturer. That means we take changes in Regulations seriously – to ensure we're compliant, and everyone can enjoy our products that meet the current standards.

Due to the changes to Part L and Part F of the Building Regulations in England introduced on the 15th June 2022, all projects are required to be on-spec for thermal efficiency, energy efficiency and ventilation capability.

Our Rehau profile is manufactured using the highest quality materials but it's important to understand how glazing can make a significant difference to how the completed window performs.



Polyframe has compiled a specific guidance document that you can view or download.

Simply visit [polyframetrade.co.uk/trade/technical-downloads](https://polyframetrade.co.uk/trade/technical-downloads)

It's also worth noting that the new Part L Regulations for New Build properties focus on 'U' values, whilst Renovation Properties will be assessed on Energy Ratings or 'U' Values.