



classic
collection 
sash windows

masterframe[®]
SASH WINDOWS



Introduction



When replacing your windows the choice you make can dramatically affect the aesthetics and character of your home.

Classic Collection windows are not only beautiful to behold but they embody a full house of authentic and exclusive features. Engineered with a blend of traditional aesthetics and attention to detail, these sash windows will add value to any home where the architectural design requires new sash windows that will maintain the original character of the building.

You will notice that this collection is as close to the original timber window in styling and design as possible and therefore ideally suited for use in conservation areas.

Blending into the most contemporary of settings, the Classic Collection can also be a valuable addition to prestigious modern developments, setting these properties apart from mass produced budget homes.

The high quality Classic Collection is manufactured in the United Kingdom by Masterframe, a specialist company that has been solely focused on producing bespoke sash windows since 1988, constantly innovating to offer you the most exceptional sash windows in the market today.



Your Classic Collection Options

At Masterframe, sash windows are not just a product - they are our passion. With over three decades of specialist expertise, we design and manufacture high-performance, low-maintenance sash windows that honour the timeless beauty of traditional British architecture.

Whether you're restoring a heritage home or specifying for a new build, our collections provide the flexibility, performance, and authenticity to meet every need.

From the flagship Vintage Collection, designed for high-end and conservation-sensitive projects, to the elegantly balanced Heritage Collection, and the value-driven Authentic Collection, each window is made to order with meticulous attention to detail. For true innovation, NEOsash® offers a modern twist - pairing traditional styling with FINEO vacuum-insulated glass, delivering exceptional energy efficiency with a U-value of just 1.2.

What truly sets Masterframe apart is our exclusive Timberweld® technology, which creates perfectly sealed, mitred corners that replicate the appearance of traditional timber joinery - without the maintenance. This manufacturing method ensures each window looks as good up close as it does from the kerb.

Manufactured in the UK, all our windows combine authentic styling with modern performance, low maintenance, and long-term durability - making them the ideal choice for those who refuse to compromise on quality or character.

The Classic Collection is available in four exclusive ranges, offering a superb line up of options to suit every home.

vintage
collection
sash windows

Our most detailed and authentic sash windows, crafted for high-end heritage homes and sensitive restorations. Traditional design meets modern performance, with Timberweld® technology and heritage detailing throughout.



heritage
collection
sash windows

A refined, mid-range solution ideal for period homes and conservation areas. Balances classic styling with modern-day efficiency and security - made for lasting performance with traditional charm.

authentic
collection
sash windows

Capturing essential period features, ideal for developers or homeowners seeking heritage style, everyday performance, and excellent value.



NEOsash
INCORPORATING FINEO

Sash windows designed for modern living. Features ultra-slim profiles and FINEO glazing with a U-value of 1.2 for outstanding energy efficiency. A must for the modern home.



Vintage at Royal Troon

Vintage Collection Sash Windows

The Vintage Collection is designed for projects where precision, heritage detail, and timeless beauty truly matter.

Ideal for listed buildings and character homes, these sash windows deliver unparalleled authenticity - faithfully replicating the finest joinery features of traditional timber designs.

Each window is individually crafted using advanced materials and manufacturing techniques to emulate every nuance of classic styling, including mechanical joints, deep bottom rails, and slender putty-line profiles. This collection has been developed for those who won't settle for compromise—combining breathtaking historical accuracy with today's standards of thermal performance, security, and longevity.

Perfect for homeowners, architects, and conservation professionals working on high-end renovations, the Vintage Collection offers a sophisticated sash window solution for projects that demand nothing but the best.



10
YEAR
GUARANTEE



Vintage Collection Standard Specification

- Perfectly sealed patented Timberweld® joints
- A rated as standard – Window Energy Rating by BFRC
- Secured by Design approved – an Association of Chief Police Officers (ACPO) third party endorsement scheme for security, and complete peace of mind
- 10 year guarantee
- White wood foil
- Continuous horn detail (with concealed cap)
- Exclusive Staff Bead outerframe design
- External putty line detail to match original features
- Tilt restrictors to all sliding sashes to assist with easy cleaning*
- Torso II spring balances tested to 20,000 cycles
- Choice of fully suited bespoke hardware available in a choice of Champagne Gold, Chrome, Satin Chrome or Polished Bronze
- Exclusive locking cam catches with nylon insert to protect the claw from scratching and allowing smooth engagement
- Exclusive Georgi® Clips ensuring the bars remain attached for life
- White or cream infill strip allows a perfect finish
- Exclusive cill pads creates a weather tight seal
- Deep bottom 105mm rail
- Authentic deep GRP cill (55mm)
- Slim integral mullion on multi-light windows
- White or standard grey woolpile**

Optional Features

- A pair of lockable limit stops to reduce opening initially to 100mm
- Cream wood foil
- Frame and sash vent options, for added ventilation. Exclusive frame vent concealer trim is available with frame vents
- Exclusive internal staff bead, 'picture frames' the window
- Egress options for easy exit in the case of fire
- Colour matched to any Farrow & Ball, RAL, British Standard Colours and other leading brand paint manufacturers' colours
- Obscured or etched glass for extra privacy or a decorative finish
- Large 63mm bottom rail
- Standard PVC-U cill
- No horns
- Projecting cill
- Bay post and trims (non - load bearing)
- Arched and shaped windows
- London sash and frame

* Dependent upon window size

** No liability will be accepted for White Woolpile becoming dirty or discoloured during installation or operation

Vintage Gallery



vintage
collection
sash windows





Heritage Collection Sash Windows

The Heritage Collection is a perfectly balanced sash window solution for properties in conservation areas, heritage zones, or those seeking classic aesthetics with trusted modern performance.

Bridging the gap between premium craftsmanship and practical value, it's ideal for period-style homes that require authenticity, but also need to meet everyday living standards.

Designed to meet many planning requirements, each window includes historically inspired details - slender meeting rails, deep bottom rails, and a beautifully grained finish that closely mirrors original timber. The collection brings together thoughtful design and high-performance materials to ensure low maintenance, excellent energy efficiency, and lasting durability.

The Heritage Collection is a popular choice for discerning homeowners who value period style but also want a sensible investment. It's elegant, efficient, and effortlessly in keeping with the traditional character of the British home.



10
YEAR
GUARANTEE



Heritage Simplicity

Heritage Collection Standard Specification

- Perfectly sealed patented Timberweld® joints
- A rated as standard – Window Energy Rating by BFRC
- Secured by Design approved – an Association of Chief Police Officers (ACPO) third party endorsement scheme for security, and complete peace of mind
- 10 year guarantee
- White wood foil
- Continuous horn detail (with concealed cap)
- Exclusive Staff Bead outerframe design
- External putty line detail to match original features
- Tilt restrictors to all sliding sashes to assist with easy cleaning*
- Torso II spring balances tested to 20,000 cycles
- Choice of fully suited bespoke hardware available in a choice of Champagne Gold, Chrome, Satin Chrome or Polished Bronze
- Exclusive locking cam catches with nylon insert to protect the claw from scratching and allowing smooth engagement
- Exclusive Georgi® Clips ensuring the bars remain attached for life
- White or cream infill strip allows a perfect finish
- Exclusive cill pads creates a weather tight seal
- Deep bottom 105mm rail
- Coupled frames
- White or standard grey woolpile**

Optional Features

- White gloss finish
- Cream wood foil
- A pair of lockable limit stops to reduce opening initially to 100mm
- Frame and sash vent options, for added ventilation. Exclusive frame vent concealer trim is available with frame vents
- Exclusive internal staff bead, 'picture frames' the window
- Egress options for easy exit in the case of fire
- Colour matched to any Farrow & Ball, RAL, British Standard Colours and other leading brand paint manufacturers' colours
- Obscured or etched glass for extra privacy or a decorative finish
- Large 63mm bottom rail
- Welded construction (mitred)
- No horns
- Projecting cill
- Bay post and trims (non - load bearing)
- Arched and shaped windows
- London sash and frame (not available in gloss)

* Dependent upon window size

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Heritage Gallery



heritage
collection
sash windows





Penmenner House B&B

Authentic Collection Sash Windows

Timeless sash window design, designed for everyday applications. The Authentic Collection offers a beautifully crafted way to achieve the classic charm of traditional timber sash windows.

The Authentic Collection is the ideal choice for developers, landlords, and homeowners. With essential heritage-inspired features such as slim putty-line profiles, woodgrain-effect finishes, and deep bottom rails, these windows offer a tasteful nod to traditional design. Manufactured using durable materials for everyday performance and low maintenance, the Authentic Collection delivers practicality without sacrificing kerb appeal.

Though simplified in specification, these sash windows still provide dependable thermal efficiency and secure construction. For those seeking period aesthetics at a more accessible cost, the Authentic Collection represents smart, stylish value.



Authentic Collection Standard Specification

- Perfectly sealed patented Timberweld® joints
- A rated as standard – Window Energy Rating by BFRC
- Secured by Design approved – an Association of Chief Police Officers (ACPO) third party endorsement scheme for security, and complete peace of mind
- 10 year guarantee
- White wood foil
- Continuous horn detail (with concealed cap)
- External putty line detail to match original features
- Tilt restrictors to all sliding sashes to assist with easy cleaning*
- High performance Ultralift spring balances
- Choice of fully suited bespoke hardware available in a choice of Champagne Gold, Chrome, Satin Chrome or Polished Bronze. Featuring an exclusive Conical design finial on the cam catch
- Key locking cam catch
- Exclusive Georgi® Clips ensuring the bars remain attached for life
- White or cream infill strip allows a perfect finish
- Exclusive cill pads creates a weather tight seal
- Deep bottom 105mm rail
- Coupled frames
- White or standard grey woolpile**

Optional Features

- White gloss finish
- Cream wood foil
- A pair of lockable limit stops to reduce opening initially to 100mm
- Frame and sash vent options, for added ventilation. Exclusive frame vent concealer trim is available with frame vents
- Egress options for easy exit in the case of fire
- Colour matched to any Farrow & Ball, RAL, British Standard Colours and other leading brand paint manufacturers' colours
- Obscured or etched glass for extra privacy or a decorative finish
- Large 63mm bottom rail
- Welded construction (mitred)
- Projecting cill
- Bay post and trims (non – load bearing)
- Swept head and London Sash only (not available in gloss). Infill design for gloss finishes available.

* Dependent upon window size

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Authentic Gallery



NEOsash® Windows

Sleek, stylish, and quietly revolutionary—the NEOsash® reimagines the traditional sash window for modern living.

NEOsash® is ideal for new-builds, modern extensions, and contemporary renovations that call for timeless form with period features.

At the heart of NEOsash® lies its most defining innovation: FINEO vacuum-insulated glass. Delivering outstanding thermal performance with a U-value of just 1.2, FINEO offers the insulating power of triple glazing in a slim, lightweight profile that fits beautifully within sash window frames. This means you enjoy cutting-edge energy efficiency without compromising aesthetics, proportions, or natural light.

NEOsash® windows offer the elegance of traditional vertical sliders with a forward-thinking edge – combining style, performance, and sustainability. With customisable finishes and high-spec design, NEOsash® is the perfect solution for homeowners and architects who demand the best of both worlds: classic looks with pioneering glazing technology.



NEOsash
featuring FINEO

15
YEAR
GUARANTEE

1.2
U-value
AVAILABLE

NEOsash®
INCORPORATING FINEO

NEOsash® Features & Benefits

NEOsash® incorporates the new ground-breaking FINEO vacuum glass, which outperforms traditional insulating glass.

Using a new glass technology to create the very latest generation of glazing, consisting of two panes separated by a vacuum gap, NEOsash® has an insulation value of **1.2U**.

The thermal performance of NEOsash® is similar to that of triple-glazed windows, but the glazing is only 10mm thick, a fraction of the thickness of triple-glazing, and exceptionally lightweight in comparison.

With the Police Approved Secured by Design accreditation as standard, you have complete peace of mind when it comes to window security.

The frames, sashes and the bespoke locking furniture are exclusive, along with features such as chamfered putty-lines, and staff bead options for both inside and outside frames.

NEOsash® is constructed using Timberweld® butt jointed corners. The authentic designed deep bottom rail, run through horns and white foil finish gives the appearance of a freshly painted wooden sash window.

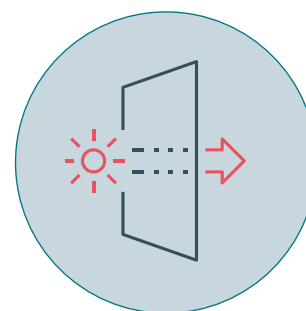


INSULATION AND COMFORT

NEOsash® offers the same thermal performance as triple glazing, whilst being a fraction of the thickness. Thanks to NEOsash®, the heat stays inside your building, making it more comfortable without increasing your heating bill.

BRIGHTNESS

FINEO offers an amazing **15%** more natural light. Natural light offers a variety of added benefits such as improvement to physical health and decreases utility bills.



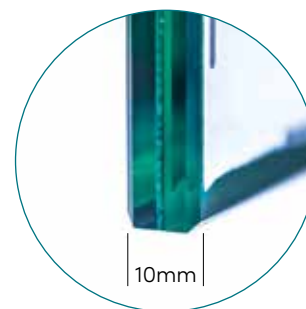
SLIM 39MM MEETING RAIL

To replicate the timber aesthetics of traditional sash windows, NEOsash® windows come, as standard, with a 39mm slim meeting rail.



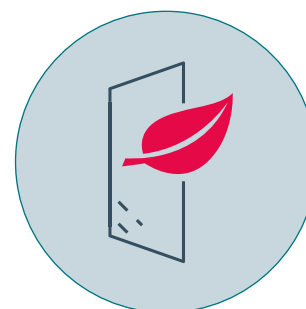
THICKNESS

With a thickness of only **10mm**, FINEO glass is a fraction of the thickness of double glazing and triple glazing. This allows for more ecological transportation and easier installation due to the lighter weight of the glass.



SUSTAINABILITY

NEOsash® cares deeply about the environment. FINEO glass is **100%** recyclable with no waste, a truly advanced product with amazing green credentials.



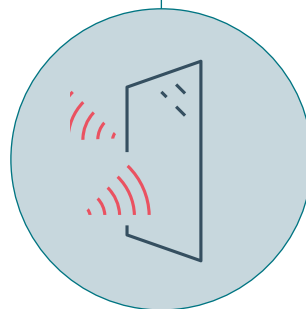
CONTINUOUS HORNS

Our new concealed Continuous Horn replicates that of a timber window, it creates a seamless edge that enhances a traditional appearance.



NOISE REDUCTION

The vacuum technology has the added advantage of providing outstanding sound insulation, especially from street noise. Dampening an additional **6dB**, far outperforming double or triple glazing.



NEOsash® Standard Specification

- Perfectly sealed patented Timberweld® joints
- FINEO Glass - Now exclusively available in our NEOsash® window with **1.2U-value**
- Secured by Design approved – an Association of Chief Police Officers (ACPO) third party endorsement scheme for security, and complete peace of mind
- Exclusive **15 year** guarantee
- White wood foil
- Continuous horn detail (with concealed cap)
- Exclusive Staff Bead outerframe design
- External putty line detail to match original features
- Tilt restrictors to all sliding sashes to assist with easy cleaning*
- Torso II spring balances tested to 20,000 cycles
- Choice of fully suited bespoke hardware available in a choice of Champagne Gold, Chrome, Satin Chrome or Polished Bronze
- Exclusive locking cam catches with nylon insert to protect the claw from scratching and allowing smooth engagement
- Exclusive Georgi® Clips ensuring the bars remain attached for life
- White or cream infill strip allows a perfect finish
- Exclusive cill pads creates a weather tight seal
- Deep bottom 105mm rail
- Authentic deep GRP cill (55mm)
- Slim integral mullion on multi-light windows
- Slim 39mm meeting rail
- White or standard grey woolpile**

Optional Features

- A pair of lockable limit stops to reduce opening initially to 100mm
- Cream wood foil
- Frame and sash vent options, for added ventilation. Exclusive frame vent concealer trim is available with frame vents
- Exclusive internal staff bead, 'picture frames' the window
- Egress options for easy exit in the case of fire
- Colour matched to any Farrow & Ball, RAL, British Standard Colours and other leading brand paint manufacturers' colours
- Obscured pattern available by use of film application
- Large 63mm bottom rail
- Standard PVC-U cill
- No horns
- Projecting cill
- Bay post and trims (non - load bearing)
- Arched and shaped windows
- London sash and frame

* Dependent upon window size

** No liability will be accepted for White Woolpile becoming dirty or discoloured during installation or operation



NEOsash[®]
INCORPORATING
FINEO



Bespoke Furniture



Exclusive Masterframe furniture available in a choice of colours to fit with any décor.

All cam catches, limit stops, pole eyes and scroll handles are manufactured by the same UK based hardware company and are perfectly suited, therefore you will find all the components match perfectly and you will not experience any colour differences.

Furniture for the Vintage Collection, Heritage Collection and NEOsash comes with a Ball finial design on the cam catch. And furniture for the Authentic Collection comes with a Conical finial.

All furniture is available in Champagne Gold, Chrome, Satin Chrome and Polished Bronze to suit your individual décor.

Scroll handles and pole eyes are always supplied loose so that you are able to specify exactly where you would like these fitted.



Scroll handles

Pole Eyes

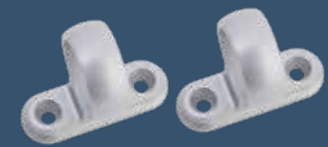
Champagne Gold



Chrome



Satin Chrome



Polished Bronze





Typical Styles & Shapes

Our sash windows can be manufactured in a variety of styles and shapes, allowing you to match your existing window design.

Classic Collection windows offer most Georgian bar designs and even some less traditional ones. We can also replicate specific visible glass sizes, or line Georgian bars and mullions up with existing windows and doors.

Whilst single sliders are common place, coupled or multi-lights are regularly requested. Our exclusive slim integral mullion reduces sight-lines by more than 50mm.

We are often asked to make windows with arched heads of varying degrees. Whilst a 'true arch' will have a full semi-circular head, a shallow arch or 'swept head' will have a much shallower radius. In the case of 'true arches' our new technology means arched top sashes can often slide, where they previously had to be fixed.

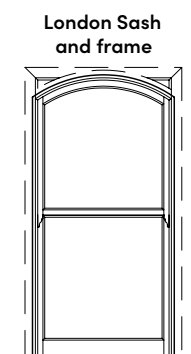
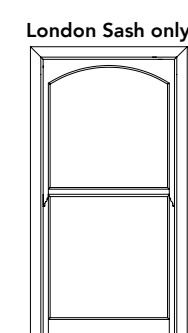
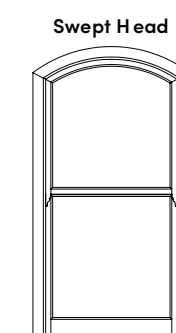
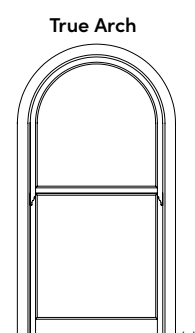
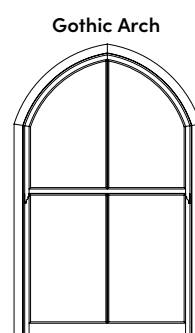
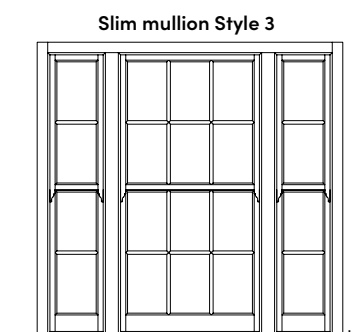
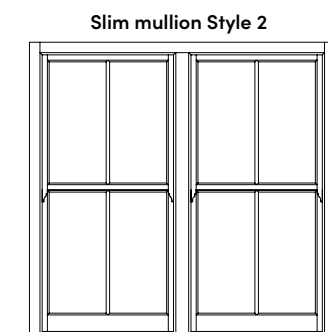
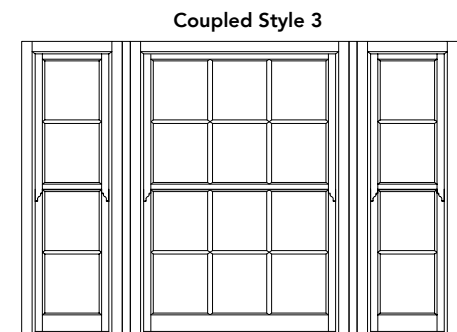
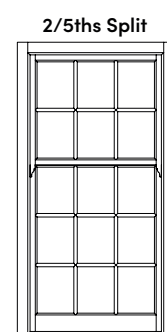
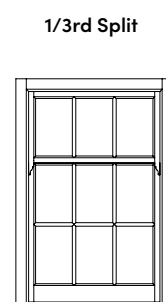
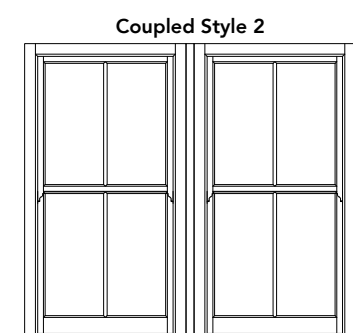
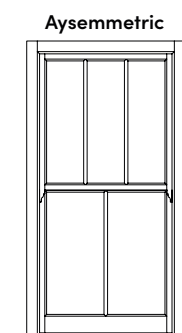
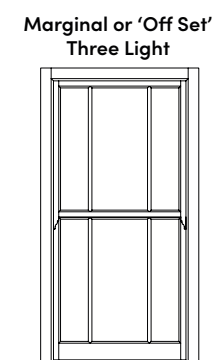
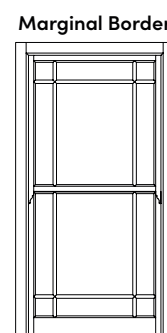
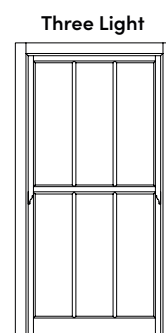
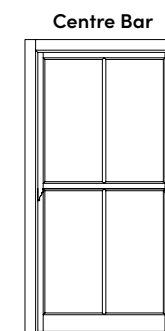
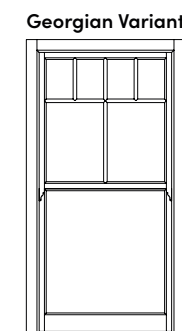
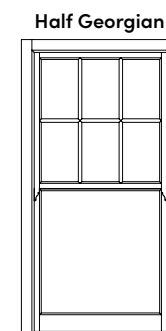
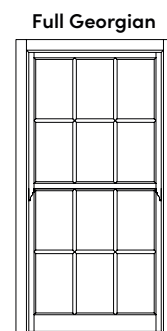
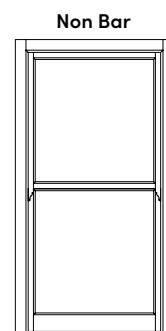
We appreciate that your home is likely to be your single biggest investment and for this reason we really don't mind you obsessing over the finer details, in fact we encourage it!

All windows depicted show Timberweld® construction excluding arches.

* Authentic and Heritage Collections only.

** Not available in the Authentic Collection.

† Vintage Collection and NEOsash only.



London Sash & Frame



This exclusive design combines an elegant arched external appearance with a practical square internal window, creating the look of a traditional arched sash window while retaining all the benefits of Masterframe's Classic Collection. Available on Heritage and Vintage windows, it offers a unique solution for properties with arched openings.

Unique to the market, London Sash and Frame is faster and easier to install than traditional arched windows and made bespoke to fit the original architecture. It's an ideal option for conservation areas, as the authentic design offers incredible aesthetics, with white wood foil and a colour-matching paint service available if required.

We produce CAD drawings for each individual window specifying the PVC-U London Sash and Frame to ensure complete accuracy. High-quality panelling is then shaped by experts to fit each individual aperture. Fully trained fabricators construct the window and complete to a stunning finish.

An additional advantage is that, because London Sash and Frame follows the shape of the original architecture and incorporates traditional design features, it helps preserve the character and value of the property.





Colour Matched Sash Windows for your individual Décor

Our customized in-house paint plant significantly enhances the quality of our finished products.



For enhanced durability, a two part paint, which is a combination of colour pigments supported in a mix of polyurethane resin and a hardener is used in the plant. This is far more durable than water based paint.

The paint is more than a surface covering and with correct preparation and application, the solvents within the product allow for the paint to bond to the surface molecules of the composite material rather than just sticking to the surface. This bonding process makes for a far more long term adhesion.

Bespoke Colour Matching

You're spoilt for choice when it comes to selecting coloured windows to complement your décor or to match existing quality casement windows or doors. We colour match to all the leading brand paint suppliers such as Farrow & Ball, Little Greene, RAL colours, British Standard Colours (BS) and Dulux.

Clear Lacquer as Standard

In marine and coastal environments, salt corrosion must always be considered, however we apply a durable clear lacquer on all paint finishes to protect the paint from UV and pollutants, regardless of exposure to ensure that the risk of any visible signs of aging is reduced.

In addition, this two part lacquer is mixed with a greater percentage of hardener than the paint itself, making it a more durable, hardwearing surface, especially important for sliding sash windows and allowing our company to continue to provide the 10 year guarantee with complete peace of mind.

Colour Combinations only Limited by Your Imagination

Usually the entire window is sprayed, however different colours externally to internally and contrasting colour combinations from sash to frame are also offered. A black frame with white sashes is quite popular, whilst we have also sprayed combinations of blue and white, cream and maroon and other more unusual colours.

When the outside of the window is a different colour to the inside, the balance chambers are masked up and sprayed to the desired colour so that only one colour is visible from either side when in the closed position.



Note: Spray colour windows only available in Wood Foil finish



Glass Options



Obscured or etched glass can be a stylish decorative feature and is fast becoming a popular choice among architects, designers and home owners.

Classic Collection sash windows are also available with toughened, laminated and acoustic glass.

There is a wide range of patterns and levels of obscurity available, from the standard textured glass patterns to the more expensive etched ranges.

The most popular designs are Satin and Stippolyte, but we can also offer sandblasted, satin and white laminate options, combining the practicality of obscured patterns, with a touch of period class where required.

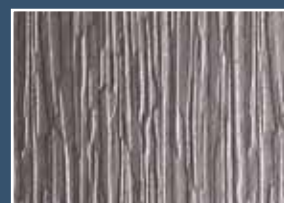
The choice is yours and should you have any unusual design or specific glass requirements then please ask your installer. Our products are bespoke and we will always do our best to accommodate your requirements.



Autumn



Contora



Cotswold



Minster



Oriel Canterbury



Pelerine



Satin



Stippolyte



Stained Glass

At Masterframe, we believe that stained glass appearance has the power to elevate a sash window from beautiful to truly breathtaking.

Our dedicated coloured artwork capability blends traditional craftsmanship with modern precision, allowing us to recreate heritage designs, restore period detail, or develop entirely bespoke artwork unique to each project.

We use modern techniques to replicate the authentic stained-glass appearance, created using advanced specialist coloured and textured films, carefully applied to the insulated glass unit and complimented with lead edging to recreate the design, whilst maintaining the modern thermal performance requirements.

Every stained glass unit is produced to complement our award-winning sash windows, ensuring perfect integration, durability and exceptional visual impact. From intricate floral motifs and classic Yorkshire Rose patterns to geometric heritage layouts, each piece is hand-finished with care, creating a timeless aesthetic that enhances both traditional and modern homes.

Whether you are preserving the character of a conservation property or adding a distinctive feature to a contemporary home, our stained-glass service offers limitless creative potential. The result is a window that not only performs superbly, but tells a story, crafted with passion, precision and a deep respect for traditional artistry.





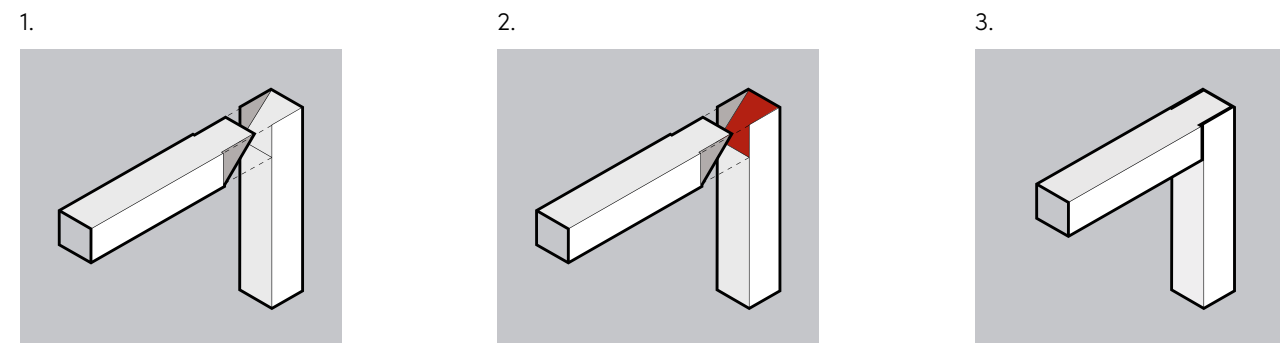
At Masterframe, authenticity is everything. To replicate the look of traditional timber sash windows while delivering modern performance, we developed a unique method of corner construction: Timberweld®.

This technology - exclusively available from Masterframe - creates perfectly sealed, traditional-looking butt joints that replicate the appearance of hand-crafted timber joinery. Unlike many open-ended joints on the market, Timberweld® joints are fully sealed, preventing the ingress of rain, draughts, insects, and dust.

The result is a sash window that doesn't just look like timber, it performs better. Durable, and low maintenance, Timberweld® combines period-perfect aesthetics with the long-term reliability of advanced engineering.

Whether you're specifying for a Georgian townhouse, Victorian terrace, or a new-build with classic proportions, Timberweld® technology provides a seamless, authentic finish that enhances any architectural style. It's also material-neutral, meaning Masterframe PVC-U sash windows can perfectly complement other Timberweld® casement windows and doors across your project.

As the only PVC-U sash window manufacturer licensed to offer Timberweld®, Masterframe delivers the heritage look you want with the performance you need—every joint, every time, perfectly sealed.



Industry Standard
Open Joint

Timberweld® Perfectly
Sealed Corner

Benefits of Classic Collection Sash Windows

When shopping for your new low maintenance timber alternative sash windows, use this handy guide to ensure that you make the absolute right choice for your home or project.

As with all top quality brands, many of the components that go into multi award winning sash windows are not visible, but engineered into the window for performance and longevity.

The most obvious features create the authentic aesthetic that looks like a timber original but without all the cost of maintenance that will add up over the lifetime of your windows.

Traditional appearance:

- ☐ **Traditional exclusive Timberweld® corners** and bespoke sections ensure that the appearance is appropriate, rather than four sections of the same welded together. Timberweld® technology ensures that joints are completely sealed from the elements with no open chambers to harbour insects whilst looking every bit like a timber original. E
- ☐ **Slim sight-lines** through both the upper and lower sashes maximise the visible glass area.
- ☐ **Equal panes** in both sashes create a balanced appearance consistent with original timber sash windows.
- ☐ **Traditional staff bead detail externally, with optional matching internal staff bead trim are exclusive features on the Heritage and Vintage Collections** developed to replicate the appearance of an original timber box frame window. E h V
- ☐ **Continuous run-through sash horns** utilised by the Victorians and synonymous with sash windows.
- ☐ **Exclusive Chamfered ‘Putty line’ sashes** are included on the outside of every sash window to replicate original Victorian and Georgian timber sash windows. To enhance authenticity, internal glazing beads are, by contrast, ovolo shaped.
- ☐ **Traditional deep bottom rail** as standard which is sympathetic to original timber designs.
- ☐ **An exclusive deep cill** adds authenticity and comes as standard on the Vintage range. V E
- ☐ **Georgian Bars** are face fixed, authentically creating the depth and shadow lines of original timber muntin bars. Our Patented Georgi®Clip ensures bars stay firmly attached for the lifetime of the glass unit. P
- ☐ **Exclusive slim integral mullion** for multi-light windows, measures just 99mm across the front face and is available on the Vintage Collection as standard. E V
- ☐ **Wood grain effect** offered in white or cream is extremely low maintenance and durable. These wood-foil finishes make the window hard to distinguish from a timber window and are therefore highly recommended for Conservation Areas.

- ☐ **An infill strip** hides all the visible brush pile on the inside of the frame making it aesthetically more appealing and easier to slide.
- ☐ **Cam catches** in attractive designs and in a range of colours – champagne gold, chrome, polished bronze and satin chrome. h V a
- ☐ **Colour matching service** to all leading brand paint suppliers including Farrow & Ball.
- ☐ **Clear lacquer** is applied on all paint finishes, regardless of exposure to marine or industrial environments to ensure that the risk of any visible signs of aging is reduced.

Special features:

- ☐ **Nylon Insert** that protects cam catches against wear on the inside of the keep. h V
- ☐ **Spacer bars** in a choice of black, white, or grey to match the finish of the window.
- ☐ **Limit Stops** when engaged, prevent the window opening beyond 100mm and are especially commissioned to a bespoke design to sit flush in the surface of the sash, securely screwed into the steel reinforcement.
- ☐ **Balances** are the mechanism that allows the windows to operate and are held in place with an exclusive **balance retaining clip**. High quality Torso II spiral balances are standard on the Heritage and Vintage Collections, reducing the effort required to lift the sash. High performance Ultralift spring balances are standard on the Authentic Collection. E
- ☐ **A pair of Tilt Restrictors** ensures that each sash can be safely tilted back at the perfect angle for easy cleaning internally.
- ☐ **Safety arms** are fitted when the windows are too large to tilt.
- ☐ **Lift-out Pivot Bars** on all sash windows ensure that sashes can be removed without the need to tamper with the intricate balance mechanism, should the need arise for large pieces of furniture to be lifted through the window.
- ☐ **Bespoke Cill pads** on all sash windows seal the joints between the cill and the frame preventing water from entering the joints, even in inhospitable situations.

Security enhancements:

- ☐ **To meet PAS24/Secured by Design criteria**, locking claw cam catches have been developed and are secured directly into the steel reinforcing. h V a
- ☐ Two cam catches are required on larger windows or where there is a single vertical Georgian bar. When this is the case on Heritage and Vintage windows, **opposite handed cams** are used. This unique feature prevents the sash being forced to either side in order to gain entry.





Classic Collection Comparison Table



			
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Standard Specification				
Rated A for energy efficiency¹	✓	✓	✓	✓
Spring Balance	Ultralift	Torso II	Torso II	Torso II
Horns	Continuous	Continuous	Continuous	Continuous
Finish	White Foil	White Foil	White Foil	White Foil
Joints***	Timberweld®	Timberweld®	Timberweld®	Timberweld®
Meeting Rail	50mm	50mm	50mm	39mm
Frame	Coupled	Coupled	Slim Integral Mullion	Slim Integral Mullion
Furniture Cam Finial Design	Conical	Ball	Ball	Ball
Furniture Colours	Champagne Gold, Chrome, Polished Bronze or Satin Chrome	Champagne Gold, Chrome, Polished Bronze or Satin Chrome	Champagne Gold, Chrome, Polished Bronze or Satin Chrome	Champagne Gold, Chrome, Polished Bronze or Satin Chrome
Woolpile	Grey or White	Grey or White	Grey or White	Grey or White
Deep 105mm Bottom Rail	✓	✓	✓	✓
Glazing	24mm Argon DGU	24mm Argon DGU	24mm Argon DGU	10mm FINEO®
Internal Ovolo Glazing Bead	✓	✓	✓	Extra Deep
External Putty Line Sashes	✓	✓	✓	✓
Cill	PVC-U 31mm	PVC-U 31mm	GRP 55mm	GRP 55mm
Guarantee	10 years	10 years	10 years	15 years
PAS24/Secured by Design	✓	✓	✓	✓
Options (price adjustments apply)				
No Horns	✓	✓	✓	✓
White Gloss Finish	✓	✓	X	X
Large 63mm Bottom Rail	✓	✓	✓	✓
Mitred Joints	✓	✓	X	X
Standard PVC-U Cill - 31mm	Standard	Standard	✓	✓
Chargeable Options				
20mm Astragal	✓	✓	✓	✓
Cream Wood Foil	✓	✓	✓	✓
Sprayed Colour Matching	✓	✓	✓	✓
Projecting Cill: 85mm, 120mm, 150mm, 180mm, 225mm	✓	✓	✓	✓
Limit Stops	✓	✓	✓	✓
Arched or Shaped Heads	✓††	✓	✓	✓
Arch infill panel white*	✓	✓	X	X
Arch infill panel - London Sash**	✓	✓	✓	✓
London Sash and Frame**	X	✓	✓	✓
Bay Post and Trims	✓	✓	✓	✓
Internal Staff Bead Trim	X	✓	✓	✓
Trickle Vents in Sash or Frame	✓	✓	✓	✓
Frame Vent Concealer Trim	✓	✓	✓	✓

* Gloss only ** Woodfoil only *** Timberweld® excludes deep bottom rail and horns
† 'B' rated when specified with a 6mm or laminated pane, not available on NEOsash® †† Swept heads only



Glossary

Acrylic wood grain foil
An acrylic covering with a wood grain finish.

Anodised
An anti-corrosive coating applied to aluminium components.

Architrave
Timber or PVC-U moulding used around windows to make good internally.

Argon gas
A particular type of gas found inside sealed glass units that increases thermal efficiency.

Article 4 directive
An additional restriction applied to conservation properties requiring development rights and compulsory planning permission.

Astragal bar
The traditional Victorian glazing bar found on sash windows.

Balance retaining clips
Exclusive clips that prevent balance springs becoming detached from sashes.

BBA
The British Board of Agrément third-party product testing.

BFRC
British Fenestration Rating Council.

Box sash
Another name for a sash window – originates because the sashes were traditionally housed within a timber box containing the sash weights and pulleys.

Brush pile
The draught-excluder or wool pile around the sashes to prevent air leakage.

Brush seal
See brush pile.

Butt joints
The vertical corner joint traditionally found on timber windows.

Cam catch and keep
The male and female parts of the locking mechanism found on the mid-rail on the inside of a window, sometimes referred to as a fitch catch.

CC21 Cam catch
A stylish and secure locking claw cam catch standard on the Authentic range.

CC31 Cam catch
A stylish and secure locking claw cam catch standard on the Vintage Collection, Heritage Collection and NEOsash.

Chamfered
The angled moulding that copies a traditionally ‘putty-lined’ timber window, found on the external Georgian bar and sash profile.

Cill pads
Specially designed foam pads that create a perfect weather-tight seal between the integral cill and frame jamb.

Conservation area
An area considered of historical or cultural importance to the local authority.

Continuous run-through horns
A decorative continuation of the stiles, incorporating a mechanical butt joint on the bottom of the upper sash.

Deep bottom rail (DBR)
A deep bottom rail on the lower sash, incorporating a mechanical ‘butt’ joint to strengthen the bottom sash.

Deep GRP cill
A traditional feature 55mm deep.

DGU
‘Double glazed unit’ – a sealed glass unit consisting of two panes of glass and a central cavity, often containing insulating gas.

Double glazed
When two panes of glass are used instead of one.

Dummy sashes
Sashes within a window that are fixed and do not slide.

Etched glass
Patterned glass where the pattern is etched into the glass rather than textured or obscured.

Existing box frame
The original timber box that housed the original sash weights and pulleys.

Face-fixed bars
Astragal bars fixed to the outside of the glass, both internally and externally, to recreate the impression of timber glazing bars.

Fenestration
The arrangement of windows and doors on a building.

Finger latch
A mechanism operated by a tilt knob that allows the sash to disengage from the frame for the ‘tilt to clean’ facility.

Foam baffles
Foam squares applied above tilt rest guides to prevent air penetration through balance chambers.

Frame profile
The outer frame member of the window.

Georgi® Clips
A patented metal clip that fits around a glass unit and under the glazing bead to securely attach astragal glazing bars.

Glazing bead
Beading around the inside edge of a sash that holds the glass unit in place.

Grade I and II listed
A heritage rating given to properties of historical significance that stipulates planning permission to protect their appearance.

Handed cams
When two Vintage or Heritage Collection cam catches are used, they are paired LH and RH for symmetry and security.

Head rail
The top bar of the sash or frame.

Infill strip
A PVC-U insert that replaces the brush pile on the inside of a window.

Integral mullion
An exclusive slim mullion section used on multi-light windows made in one frame.

Jambs
The vertical sides of a window frame.

Laminated glass
Two pieces of glass bonded together with an acrylic interlayer.

‘Lift out’ pivot bars
Metal bars designed to allow sash removal for maintenance or escape.

Limit stops
Furniture applied to the top sash that limits its opening, typically to 100mm.

Low E
Low emissivity coating applied to the cavity-facing pane of a sealed unit to improve thermal efficiency.

Low iron
Glass with reduced iron content to improve clarity and solar gain.

Meeting rail
Also known as mid-rail or transom, where the top and bottom sashes meet.

Mullion
A vertical divider between window units or the brick piers in bay windows.

Muntin bar
See astragal bar.

Obscured glass
Glass that is patterned, textured, or opaque to reduce visibility, often used in bathrooms.

Ovolo
Also known as Ogee, a moulding detail found on Georgian bars and glazing beads.

PAS24
A British standard for enhanced security in fenestration products.

Pole eyes
Circular brackets at the top of the sash to engage a pole hook.

Pole hook
A wooden pole with a metal hook to open out-of-reach top sashes fitted with pole eyes.

Pre-tensioned
Balance springs that require no adjustment and are ready to use out of the box.

Putty line
The chamfered appearance of the sash where it meets the glazing, imitating traditional timber putty.

PVC-U
Unplasticised polyvinyl chloride – a rigid, durable plastic used in window construction.

Safety arms
Durable stays used when sash weights exceed what tilt rests can support.

Safe T stays
See safety arms.

Sand blasted glass
Glass made semi-opaque by sandblasting to create a frosted effect.

Sash lifts
Small curved handles fitted to the bottom of the lower sash for easy opening.

Sash profile
The shape and design of the PVC-U material used to make sash components.

Sash stop
A PVC-U section used to prevent over-extension of the sash.

Sash vent
A trickle vent fitted into the head of the sash to allow controlled airflow.

Satin glass
Semi-opaque glass with a smooth, frosted finish.

Scroll handles
See sash lifts.

Sealed unit
See DGU.

Secured by Design
A police initiative recognising third-party tested security products.

Springing line
On curved-head windows, the vertical distance from the apex to the shoulder of the curve.

Swept head
A window with a gently curved head, shallower than a true arch.

Tilt rests
Metal arms that hold the sash securely when tilted inward for cleaning.

Timberweld®
A material-neutral corner construction method creating sealed, authentic timber-style joints. A Duchy Investments Ltd. registered trademark.

Torso II balances
Bespoke, pre-calibrated balance springs selected for their durability and performance.

Travel restrictors
See limit stops.

Trickle vent
A two-part ventilation system consisting of an internal vent and an external hood.

True arch
A window with a semicircular head formed by a springing line half the window’s width.

UV neutral
Unchanged when exposed to ultraviolet light.

U-value (W/m²K)
A measure of thermal efficiency; lower values represent better insulation.

WER
Window Energy Rating – calculates energy performance by comparing solar gain to heat loss.

Window board
The internal timber cill fitted beneath a window.



vintage
collection
sash windows



heritage
collection
sash windows



authentic
collection
sash windows



NEOsash[®]
INCORPORATING FINEO

masterframe[®]
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