imperial collection
sash windows

imperial

masterframe®
Introduction

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

The Imperial Collection window is the perfect choice when a high specification with detailed authentic features is not required. The Imperial still comes standard with all finer details found in other Masterframe ranges but will be suitable when a more economical solution is necessary. There is still no compromise on quality backed up by a 10 year guarantee.

Engineered with a blend of traditional aesthetics and attention to detail, this sash window will add value to any home where the architectural design requires new sash windows that will maintain the original character of the building.

Blending into the most contemporary of settings, the Imperial Collection comes in white gloss as standard and can also be a valuable addition to prestigious modern developments, setting these properties apart from mass produced budget homes.

The high quality Imperial Collection is manufactured in the United Kingdom by 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.
Introducing your imperial options

Although these low maintenance windows are designed to replicate the windows of days gone by, they come standard with features that are demanded from a 21st Century window. With an ‘A’ energy rating you are assured that the energy efficiency is guaranteed.
Standard inclusive specification

- A rated as standard – Window Energy Rating by BFRC
- 10 year guarantee
- White gloss
- Continuous horns
- External putty line sashes
- Tilt restrictors to all sliding sashes to assist with easy cleaning or safety stays (dependant of size).
- High performance Ultralift spring balances
- Choice of fully suited bespoke hardware available in antique brass, pewter, chrome, satin chrome or white
- Key locking cam catch
- Standard 63mm bottom rail
- Exclusive Georgi® Clips where Georgian designs requested ensuring the bars remain attached for life
- Exclusive cill pads creates a weather tight seal

Scroll handles
- Antique brass
- Pewter
- Chrome
- Satin chrome
Georgi® Clips
Secured by Design approved – an Association of Chief Police Officers (ACPO) for complete peace of mind. Alternative CC12 cam catch

- White or cream wood foil
- A pair of lockable limit stops to reduce opening initially to 100mm
- For added ventilation trickle vents to sash or a two position keep which can be locked in open position
- Egress options for easy exit in the case of fire
- Windows in a foiled finish can be colour matched to any Farrow & Ball, RAL, British Standard Colours and other leading brand paint manufacturers’ colours. Wood foil only
- Obscured or etched glass for extra privacy or a decorative finish
- Deep 105 mm bottom rail
- Dual foil with different colour finishes inside and out. Minimum order eight frames
All Imperial furniture, available in a choice of colours are perfectly suited and manufactured by the same UK based hardware company, therefore you will find all the components match perfectly and you will not experience any colour differences.

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

- Non Bar
- Georgian
- Half Georgian
- Georgian Variant
- Centre Bar

- Three Light
- Asymmetric
- Marginal or ‘Off Set’ Three Light
- Marginal Border

- True arch
- Swept head
- Coupled Style 2
- Coupled Style 3
Colour bonded alternatives

Usually we spray entire windows the same colour; however we can offer different colours externally to internally and different combinations from sash to frame. A black frame with white sashes is quite popular, whilst we have also sprayed combinations of blue and white or cream and maroon.

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

In the interests of durability, the two-part paint we use in our on-site paint plant is far harder wearing than water based paint. In marine or coastal environments, salt corrosion must also be considered, however we apply a durable clear lacquer on all paint finishes, regardless of exposure, to ensure that the risk of any visible signs of aging is reduced. All windows require regular cleaning to keep looking their best.

On orders of eight windows or more, we can also offer alternative foil finishes in a range of colours and wood grain effects.

A colour matching service is available to the standard industry charts such as RAL, British Standard Colours, Dulux and even Farrow & Ball.
The Imperial Collection is available with toughened, laminated and acoustic glass.

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

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 requirement.
Traditional appearance:

☐ **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.

☐ **Continuous run-through sash horns** were utilised by the Victorians and synonymous with sash windows.

☐ **Chamfered ‘putty line’ sashes** are included on the outside of every window to replicate original Victorian and Georgian sash timber windows. To enhance authenticity, internal glazing beads are, by contrast, ovolo shaped.

☐ **Georgian bars** are faced fixed, authentically creating the depth and shadow lines of original timber muntin bars. Our patented Georgi® Clip is BBA tested and ensures bars stay firmly attached for the lifetime of the lass unit.

☐ **Wood grain effect offered** in white or cream as an option is extremely low maintenance and durable. These wood-foil finishes make the window hard to distinguish from a timber window and are therefore recommended for Conservation Areas.

☐ **Locking cam catches** in a range of colours including antique brass, pewter, chrome or satin chrome and white.

☐ **Colour matching** 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 reduce the risk of visible signs of aging.
Special features:

☐ Energy efficiency 'A' rated as standard.

☐ Balances are the mechanism that allows the windows to operate and Ultralift pre-tensioned balances reduce the effort required to move the sash.

☐ A pair of tilt restrictors ensures that each sash can be safely tilted back at the perfect angle for easy cleaning internally.

or

☐ Safety arms are fitted when the windows are too large to tilt.

☐ Lift-out pivot bars on all 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 seal the joints between the cill and the frame preventing water from entering the joint, even in inhospitable situations.

Continuous commitment to design, development and uncompromising quality means we deliver what we promise
Every component is robust, solid and engineered to perform, even our plant on bars are guaranteed
<table>
<thead>
<tr>
<th>Glossary Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Acrylic wood grain foil</td>
<td>An acrylic covering with a wood grain finish.</td>
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<tr>
<td>Anodised</td>
<td>An anti-corrosive coating applied to aluminium components.</td>
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<tr>
<td>Architrave</td>
<td>Timber or PVC-U moulding used around windows to make good internally.</td>
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<tr>
<td>Argon gas</td>
<td>A particular type of gas found inside all sealed glass units that increases thermal efficiency.</td>
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<tr>
<td>Article 4 directive</td>
<td>An additional restriction applied to conservation properties requiring development right and compulsory planning permission.</td>
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<tr>
<td>Astragal bar</td>
<td>The traditional Victorian glazing bar found on sash windows.</td>
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<tr>
<td>Balance retaining clips</td>
<td>Exclusive clips that prevent balance springs becoming detached from sashes.</td>
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<tr>
<td>BBA</td>
<td>The British Board of Agrément third party product testing.</td>
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<tr>
<td>BFRC</td>
<td>British Fenestration Rating Council.</td>
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<tr>
<td>Box sash</td>
<td>Another name for a sash window – originates because the sashes were traditionally housed within a timber box containing the sash weights and pulleys.</td>
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<tr>
<td>Chamfered</td>
<td>The angled moulding that copies a traditionally 'putty-lined' timber window, found on the external Georgian bar and sash profile on the outside of an Imperial Collection window.</td>
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<td>Cill pads</td>
<td>Silicone joints can leak, but this specially designed foam pad, creates a perfect weather tight seal between integral cill and frame jamb.</td>
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<tr>
<td>Conservation area</td>
<td>An area that may be considered of historical or cultural importance to the local authority.</td>
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<tr>
<td>Deep bottom rail (DBR)</td>
<td>A deep bottom rail on the lower sash, incorporating a mechanical 'butt' joint to strengthen the bottom sash.</td>
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<tr>
<td>DGU</td>
<td>'Double glazed unit' is a term for a sealed glass unit consisting of two panes of glass and a central cavity, often containing a particular gas.</td>
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<tr>
<td>Double glazed</td>
<td>When two panes of glass are used instead of one.</td>
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<tr>
<td>Dummy sashes</td>
<td>Sashes within a window that are deliberately fixed and do not slide.</td>
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<tr>
<td>Etched glass</td>
<td>Patterned glass where the pattern is etched into the glass rather than textured or obscured.</td>
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<tr>
<td>Existing box frame</td>
<td>The original timber box that housed the original sash weights and pulleys.</td>
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<tr>
<td>Finger latch</td>
<td>The mechanism operated by a tilt knob that allows the sash to be disengaged from the frame for the 'tilt to clean' facility.</td>
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<tr>
<td>Foam baffles</td>
<td>Foam square applied above the tilt rest guides, preventing air penetration through the balance chambers.</td>
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<tr>
<td>Frame profile</td>
<td>The outside frame member.</td>
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<tr>
<td>Georgi® Clips</td>
<td>A small patented metal clip that fits around a glass unit and under the glazing bead to securely attach astragal glazing bars.</td>
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<tr>
<td>Glazing bead</td>
<td>The beading around the inside edge of a sash, holding the glass unit in place.</td>
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<tr>
<td>Gloss Finish</td>
<td>Standard finish offered on the Imperial Collection.</td>
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<td>Grade I and II listed</td>
<td>A heritage rating given to properties of historical significance, stipulating planning permission to protect their appearance.</td>
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<td>Head rail</td>
<td>The top bar of the sash or frame.</td>
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<tr>
<td>Jams</td>
<td>The industry term for the sides of a window.</td>
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<tr>
<td>Laminated glass</td>
<td>Two pieces of glass bonded together with an acrylic interlayer.</td>
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<tr>
<td>Large bottom rail</td>
<td>Standard 63mm on Imperial Collection</td>
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<tr>
<td>'Lift out' pivot bars</td>
<td>Metal bars, designed to allow sash removal for maintenance, ease of access and escape.</td>
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<tr>
<td>Limit stops</td>
<td>A recessed item of furniture applied to the top sash that limits the opening of the window (usually 100mm) when engaged.</td>
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<tr>
<td>Low E</td>
<td>The 'Low Emissivity' coating applied to the inside pane within the cavity of a double glazed sealed glass unit to achieve better thermal efficiency.</td>
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<tr>
<td>Low iron</td>
<td>Glass with low iron content is used on the outside pane of some double glazed sealed glass units to increase clarity and maximise solar gain.</td>
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<tr>
<td>Multi-lights</td>
<td>Window frames made up of two or three windows in a row, also referred to as a style 2 or style 3 as well as in many other configurations.</td>
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Muntin bar
See Astragal bar.

Obscured glass
Patterned, textured or opaque glazing to obscure transparency and often used in bathroom windows.

Ovolo
Also referred to as Ogee, this is the moulding found on the Georgian bar and glazing bead on the inside of Imperial Collection windows.

PAS24
A published product standard for enhanced fenestration security previously known as BS7950 that sets a standard for enhanced window security.

Pole eyes
A circular bracket positioned to the top of the window so a pole hook can be used to lower the tops sash when out of reach.

Pole hook
A wooden pole with a metal hook on one end for lowering a top sash when out of reach and a pole eye is fitted.

Pre-tensioned
A term to describe balance springs that can be used immediately from the factory, without any adjustment required.

Putty line
The term used to describe the chamfered appearance of the sash frame where it meets the glazing. This is due to putty traditionally being used when glazing timber windows.

PVC-U
Polyvinylchloride – Un-plasticised.

Safety arms
A more durable stay, employed when sashes are too heavy to be safely held by tilt rests; – see tilt rests.

Safe T stays
See safety arms.

Sand blasted glass
Clear glass blasted with grains of sand at high pressure to achieve a semi-opaque appearance.

Sash lifts
A pair of small curved handles that can be positioned on the bottom of the lower sash on the inside allowing the sash to be opened.

Sash profile
The design of the sash and the term used for the individual length of PVC-U used for the window sashes.

Sash stop
A section of PVC-U cover profile, cut to a particular length and covered with a cap that limits the range of the sash to prevent over extending the balances.

Sash vent
A trickle vent fitted to the sash head on a window – see trickle vent.

Satin glass
Semi-opaque glass with a similar appearance to sandblasted with a smoother finish.

Scroll handles
See Sash lifts.

Sealed unit
See DGU.

Secured by Design
An Association of Chief Police Officers third party endorsement scheme.

Springing line
On a window with a curved head, this is the vertical distance between the apex and the shoulder (start of the curve) of the window.

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

Tilt rests
A metal arm housed in the frame and connected to the sash that holds in position when tilted inwards for cleaning.

Two stage keep
A two position keep for ventilation which allows the windows to be locked in an open position.

Travel restrictors
See limit stops.

Trickle vent
A two part component, consisting of internal vent and external vent hood to promote secure air flow when the window is closed.

True arch
A window with a curved head and springing line of half the width, creating a semi-circular arched head.

Ultra-Lift balance
A pre-tensioned spring balance springs, calibrated for each individual sash and selected for their durability and longevity.

UV neutral
Unaffected when exposed to ultraviolet light.

U-value
The calculation often used to denote the thermal efficiency of a window when considering heat loss.

WER
‘Window energy rating’ calculated using the solar gain against heat lost registered with BFRC.

Window board
The internal timber cill fitted underneath a window on the inside.
Sash windows that work well, are energy efficient and secure providing years of trouble-free usage.
The Imperial Collection is British Board of Agrément, ‘Whole of life’* endurance tested, meaning our product range is fully BBA approved.**

This essentially means that everything is submitted for testing, including all components, balances and even our unique hardware.

Additionally, and unlike any other company, our method of plant on Georgian bars convinced the BBA to approve them for ten years!

Imperial windows are ‘A’ rated as standard.

BFRC is the British Fenestration Ratings Council and they decide how to interpret energy efficiency calculations for the whole of the UK.

The BFRC rate products from ‘F’ to ‘A’. ‘A’ rating means the window is energy neutral or ‘energy positive’, in that it gains more heat than it loses over its annual cycle. Find out more on FENSA and WER’s at: www.bfrc.org.

The Energy Savings Trust can only recommend the highest performing companies so it is only the best products that get to be Energy Savings Trust endorsed. Having been awarded the first five certificates from the BFRC, (the British Fenestration Ratings Council), we were further recognised by the Energy Savings Trust as the first company to be recommended by them in the UK. energysavingtrust.org.uk

The Association of Chief Police Officers (ACPO) set up Secured by Design (SBD) to encourage the building industry to adopt crime prevention measures in housing.

The scheme creates a safer and more secure environment, including safer windows.

Very few products meet these enhanced security levels but by fully reinforcing our sashes with steel, using robust furniture and reinforced finger latches and then having them independently tested by SBD, means you can be satisfied that your windows will be as secure as we claim them to be.

Masterframe sash windows are virtually lead free, using calcium organic stabilisers as a healthier option for the planet.

Masterframe are associate members of the Glass and Glazing Federation www.ggf.co.uk

Proudly manufactured in the UK, using the very best quality components sourced in the UK to ensure ongoing continuity.

Masterframe Windows Ltd, manufacturers of the Imperial Collection are dedicated to recycling and recycle all plastic, glass, paper and cardboard used in their factory.

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* 20,000-cycle endurance testing is to simulate a "whole of life" test, it is an onerous test designed to recreate a 20-year lifetime of a product. www.bbacerts.co.uk

** Subject to ongoing product testing and size parameters.