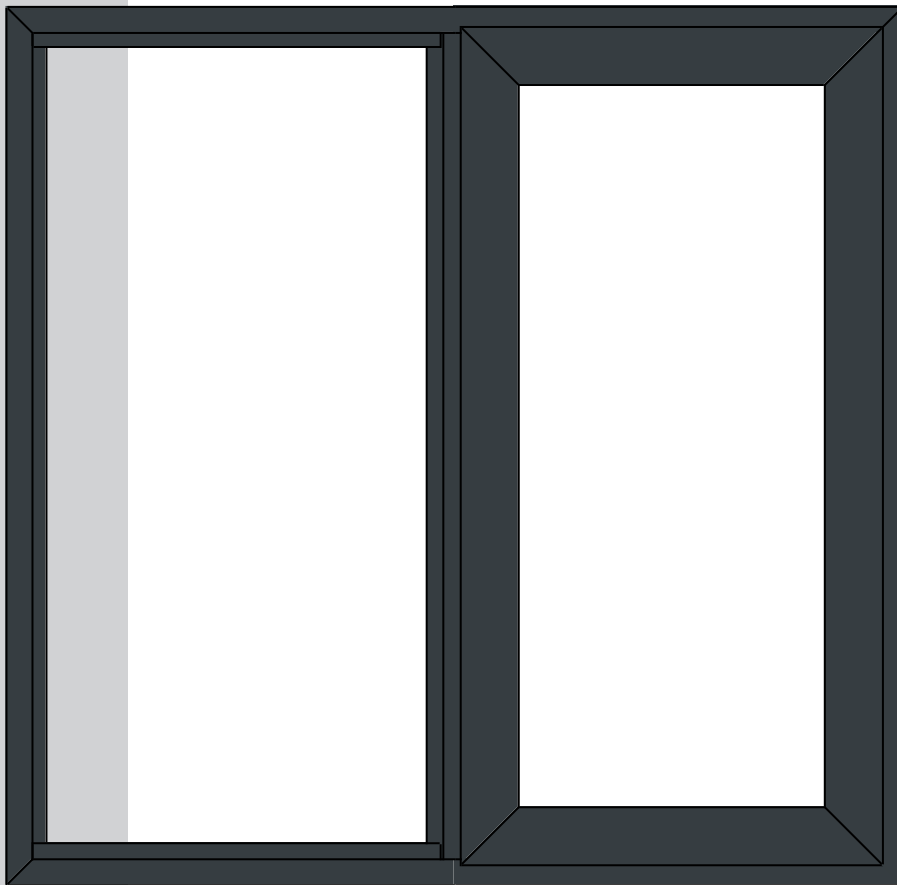


CASEMENT WINDOWS

Standard & Bespoke Sizes

Assembly Instructions



About your windows

All products must be installed in accordance with accepted good trade practise (and in accordance with supplied instructions where applicable), and maintained in accordance with these procedures or else warranty shall be void.

Important Information

Handling and storage

The products are heavy and can weigh approximately 30kg to 60kg each. They will therefore need two people to carry them.

When storing the windows and frames before installation, once all items have been checked, they should be repacked and kept in their original packaging, handled with care and stored in a dry, ventilated building. They should be stored flat on a level surface- not on edge or on end. For any windows supplied unglazed, the glass should be stored on its edge and at a 3-6 degree angle. Glass should not be stored horizontally or on top of each other and should not come into contact with anything harder than itself.

We cannot accept claims for any damages, scratched glass, scratched aluminium or missing items after 72 hours following delivery or after installation has begun.

Powder coating finish and maintenance

All our aluminium windows are supplied fully powder coated providing a high quality and durable finish, unless otherwise specified. Our standard range of colours are Anthracite Grey, Gloss White and Jet Black. If you have selected an alternative custom colour option and require the colour and RAL code, please contact a Aftercare team member and they will provide this for you.

To maintain the external aluminium powder coated finish, wash regularly with soapy water and then dry off with a soft lint-free cloth. As a minimum, the external surfaces must be washed at least every three months, and monthly if within five miles of the sea or in an industrial area. Our general recommendation would be to wash the

external aluminium every time you wash your windows, which should normally be more regularly than the minimum requirement.

The powder coating is not guaranteed unless the doors are installed at least 800 metres away from the sea.

We cannot accept any claims for damages, including scratches to the powder coating and aluminium reported 72 hours following delivery, and / or after installation has commenced.

Installation

All our external aluminium windows are supplied with all the essential items, most hardware factory fitted and everything pre-machined. This design allows for simple on-site assembly by an experienced trades person(s).

The outer frame needs to be securely fixed into the opening perfectly square and level on all planes.

Please ensure you have read the installation instructions supplied with your window(s).

Glazed sealed units

To reduce carbon emissions from the home and to keep heating and cooling bills down, the government has recommended that all manufacturers use a special Low E thermal glass within the sealed unit to comply with Building Regulations Part L.

The glass is coated with a special substance to comply with the above and occasionally, and in certain light conditions may produce transient visual effects. This can sometimes look like a transparent film or haze and make the glass appear cloudy. This is very infrequent and only affects a minority of door sets. As a company we

About your windows (Cont)

do have to comply with the new regulations which are for the benefit of all, and this is not a defect.

Due to demands for better thermal efficiency, it is normal for condensation to form on the outside of the glazing units, to the exterior side of the property, this is not a defect. For any condensation forming to the inside of the property, this is normally due to high levels of moisture in the air and / or insufficient ventilation in the room, the moisture is then forming on the cold surface. If condensation is forming inside the glazing unit (between the panes of glass) it is likely that the glazing seal has been compromised.

Tempered glass means it has been toughened up to five times stronger than normal glass. It is unusual to break such strong glass, but sharp objects hitting the glass at certain points can cause breakage. Tempered glass is also known as safety glass. This means that if it breaks it will shatter into smaller fragments which are less likely to cause injury, unlike non-tempered glass which breaks into large, sharp fragments.

Laminated glass is also classed as safety glass and comprises of layers of glass with a PVB interlayer. Due to its high strength, this prevents the glass from breaking into large pieces. If the glass breaks, it will produce a 'spider web' effect similar to what is commonly seen in shattered car windscreens. Laminated glass will also increase the sound rating insulation.

Glass must be regularly maintained and cleaned to stop the breakdown of the glass or seals. This can be done using a mild solution such as washing-up liquid diluted in water. Do not use abrasive cleaning solutions as these may cause scratching.

Visual distortions caused by reflections in toughened glazing units are a natural phenomenon and are not a fault.

Laminated, toughened or coated glass is acceptable if bubbles, blisters or fine scratches are no more than 2.5cm long and / or minute particles are neither obtrusive or bunched. The glass used in sealed units is a processed glass therefore certain blemishes are unavoidable.

For carrying out a glass inspection, stand at least 3 metres away from the glazing, view at a 90-degree angle and look directly through the sealed unit(s). The glass must be viewed in natural daylight but not with the sun directly on it. Any moisture must be removed from the surface of the glass before inspecting.

Hardware components

The exterior hardware in your windows can deteriorate from everyday use and also because of the weather and the local environment. That is why regular maintenance of your window hardware is even more important if you live in severe environments like coastal / marine areas and some industrial locations.

We require that the below minimum maintenance is carried out as often as necessary to prevent deterioration. As a guideline, we recommend that this maintenance is done every three months if you live in a marine environment, or every six months if you live in a more general location, otherwise your guarantee will not be valid.

- Hinges & stays

Using a microfibre cloth, wipe down the visible surfaces with warm soapy water and then rinse off by wiping with a clean, damp cloth. Applying a thin film of light machine oil or silicone spray, wiping with a dry cloth to remove any excess, will help maintain the original lustre of the metal finish. Be careful not to get these liquids on the aluminium as this may affect the powder coating.

-Locks & Handles

All moving parts should be lubricated using a silicone spray. The handles should be regularly

About your windows (Cont)

cleaned with a soft damp microfibre cloth to remove any dust or grime taking care not to scratch the surface.

Window Operation

All our aluminium windows have been pre-assembled in our factory. They are installed into a steel framed testing rig where they are glazed / toe and healed and then fully operated, including checking the windows lock and unlock smoothly. If you experience any difficulty operating your windows including; opening, closing, locking or unlocking of your windows, do not continue to

use your windows as this may cause further issues and damages, and invalidate your guarantee. If you are having operational issues, first eliminate actual locking problems by opening the window, rotating the handle and then turning the key. If this can be done, the lock is operating normally, and the problem is likely to be due to incorrect alignment.

Please contact a member of our Aftercare team so we can assist you further if required.

Contents

Please check the contents of the packages to ensure that all parts are present before beginning assembly

Window frames

(Supplied glazed if a standard sized window has been ordered. Some larger bespoke windows may be supplied unglazed with the glass loose)

Handle

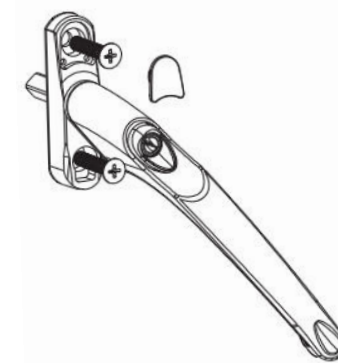
(Supplied loose)

Cill & end caps (optional)

(Supplied fitted where ordered)

Installation bag;

Hardened steel frame fixings - Qty 28



Window fixing straps

(Qty 1 No.8 self tapping screw per strap)



TX30 bit - Qty 1



SDS drill bit 6.5mm x 210mm - Qty 1



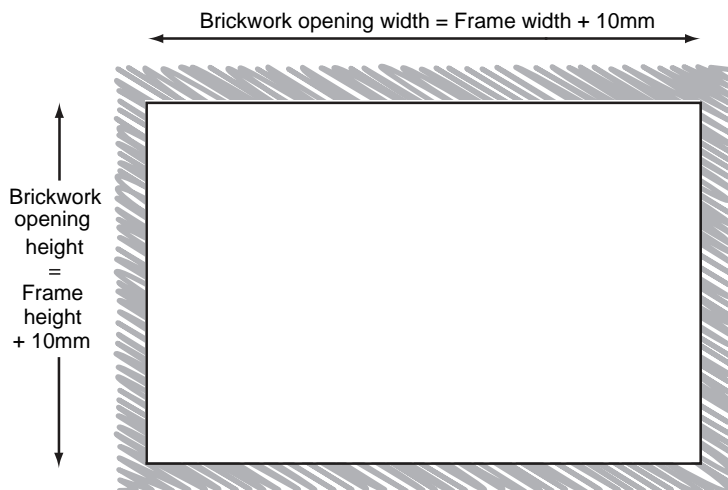
Installation instructions - Qty 1

Preparing the site

Brickwork opening:

When preparing the site please prepare the brickwork opening to be 10mm more in height and width than the outside assembled frame size of the window frame.

It is essential that all 4 internal surfaces of the brickwork be levelled before installation. Please ensure that all dimensions are correct for installation before proceeding, as the window must be installed square and level into the opening.



Dimensions for standard sized windows

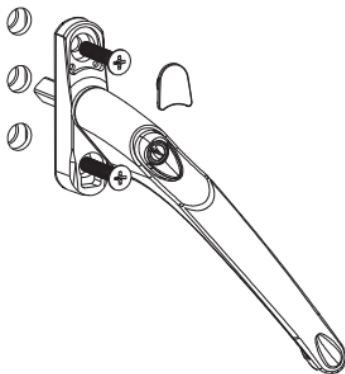
Window (Width x height)	Brickwork Opening (Width x height)
620mm x 1190mm	630mm x 1200mm
905mm x 1190mm	915mm x 1200mm
1190mm x 1190mm	1200mm x 1200mm
1760mm x 1190mm	1770mm x 1200mm
620mm x 2909mm	630mm x 2100mm

Ready to install

Our standard sized windows are delivered to you assembled with glazing units already installed. Some of our larger bespoke windows may be supplied unglazed with loose glass, in which case you would be notified of this in advance of delivery.

Fitting the handle

Take the spindle from the handle pack and fit it into the handle. Locate the factory pre-machined holes on the inside of the window frame and fit the handle securing with the two fixings provided.

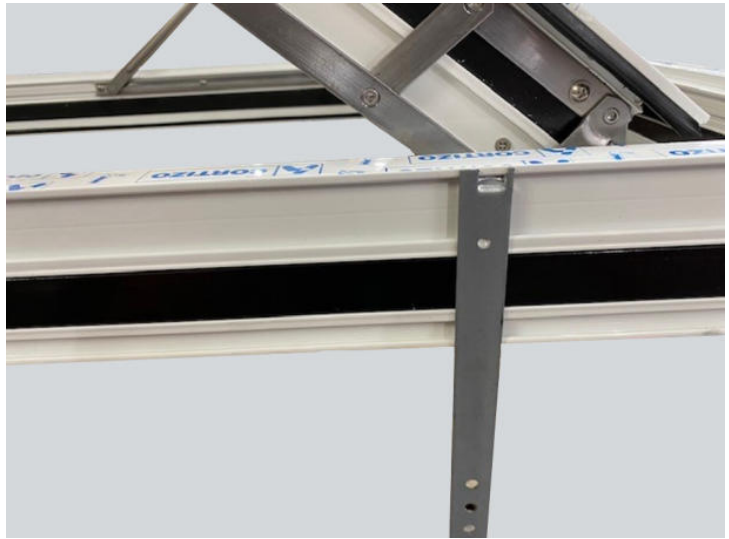


Finish by fitting the cover caps to hide the fixings.

Installing the window into brickwork opening

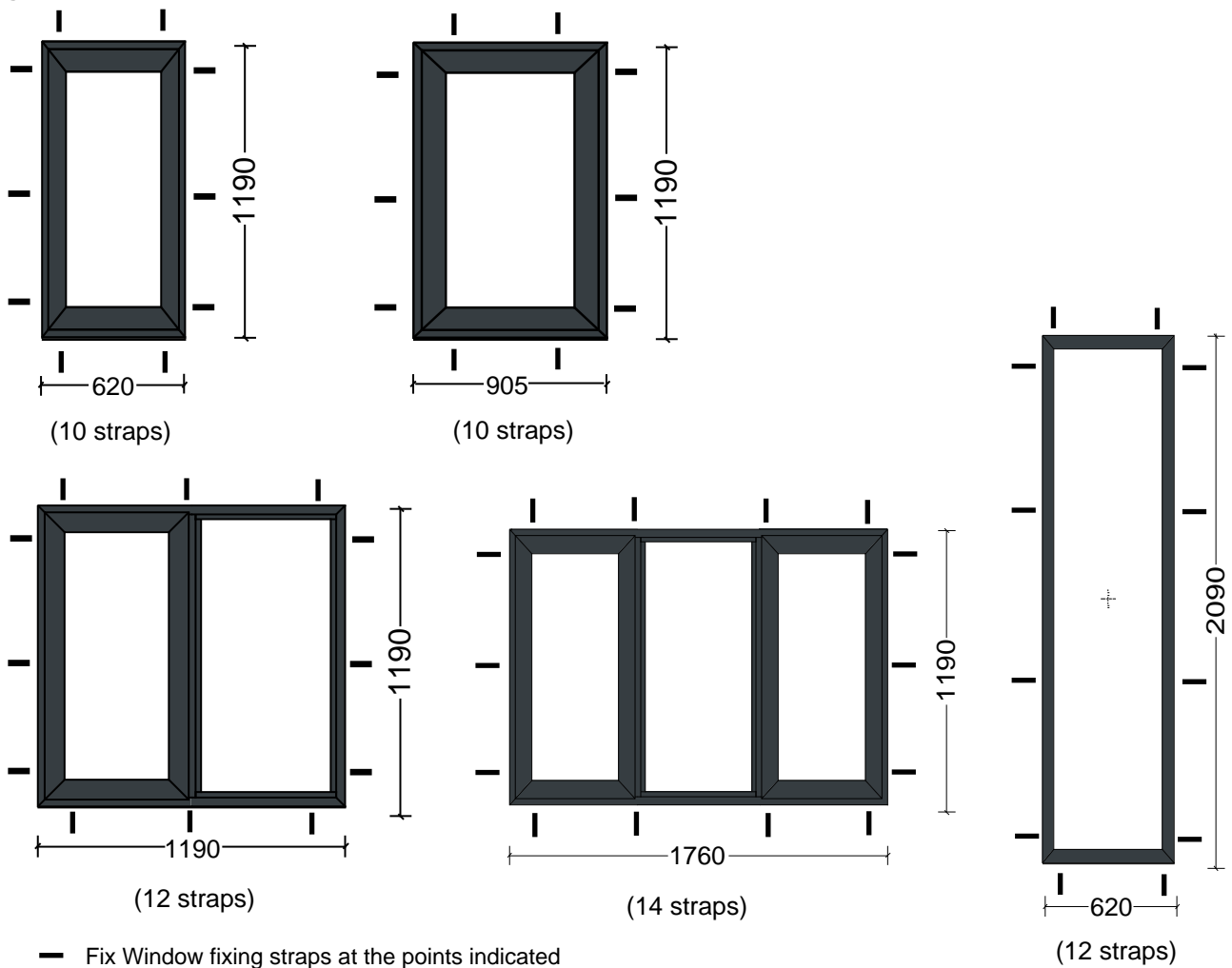
Window fixing strap installation

Using the fixing straps provided, push the crimped end of the fixing strap so the bend sits under the outer edge/lip of the window profile, positioning the 2 flat section outside/on top of the profile. Using the closest single hole, secure in place using a No.8 self tapping screw provided.



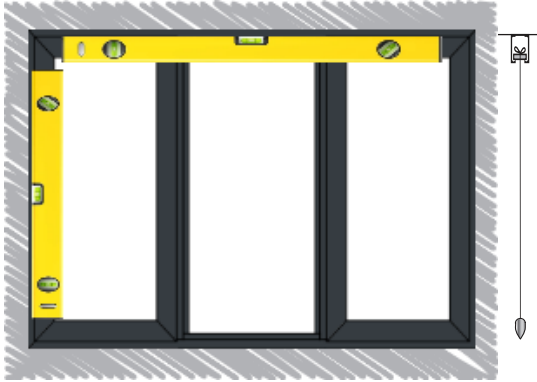
Locate the window straps 150mm in from each edge and centrally as shown in Fig. 1.

Fig. 1



Installing the window into brickwork opening (Cont)

Apply a bead of low modulus silicone (not supplied) onto the underside of the window cill / frame, or along the brickwork in order to bed the window into the opening, then lift the window into place. Hold the window in position using packers (not supplied), then carefully check the window is completely square and level in the opening, and that the vertical surfaces are level and plumb.



Once the window is level and square in the opening, bend the fixing straps to the inside brickwork. Using the SDS masonry drill bit, drill through the holes in the straps into the masonry and use the direct frame fixings supplied to secure.

Direct frame fixing screw installation.

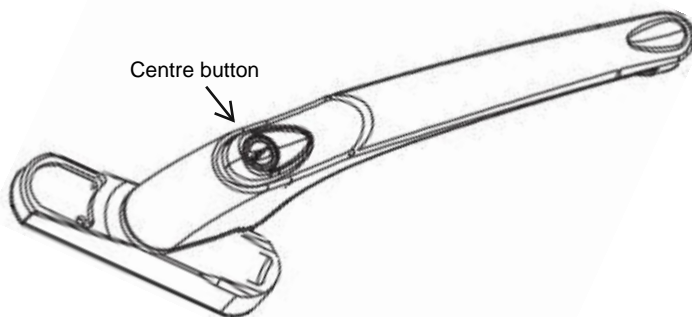
The direct frame fixings supplied will screw directly into the brickwork. It is essential to use the 6.5mm drill and torx T30 bit provided to ensure a secure fixing. Where it is possible to direct fix, follow the same fixing points as shown in Fig.1 Page 6.

Finally, seal around the window using expanding foam taking great care not to get it on the powder coated aluminium, low modulus silicone sealant or window trims (not supplied) on the outside and plaster up to the window on the inside, ensuring the window straps are covered.

Operation of the handle / lock

Opening, closing and locking of the window is controlled by the handle. To close and lock, close the window and turn the handle to hold the window shut, then turn the key to lock.

To open the window, turn the key to unlock and then depress the centre button (with the keyhole unit) and turn the handle. The window sash can now be pushed open.



Egress Defender hinges

All of our standard sized casement windows come with Egress Defender friction hinges to the opening sash(s).

- Self lubricating PTFE (PolyTetraFluoroEthylene) coating on the end cap provides smooth closing
- Allows casement windows to open for emergency exit
- Composite slider with stainless steel release lever mechanism allows cleaning access from the inside of the building



Release mechanism

Resets to egress mode after cleaning



Fully open

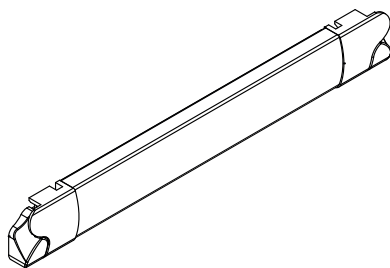
Maximum 90 degree opening angle

Ventilation

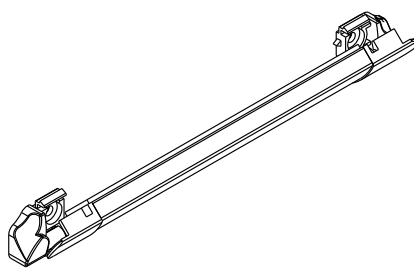
If you have selected windows to include a trickle vent option, you will find 1pc or 2pc vents depending on the size of the window.

Operating the trickle vents

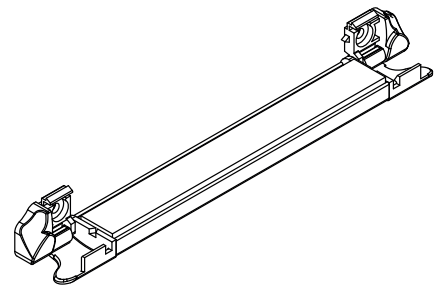
For ventilation the trickle vent(s) can be partially opened or fully opened as required.



Closed



Partially opened



Fully open



Macclesfield, Cheshire SK10 2BN

DECLARATION OF CONFORMANCE

DoC N°: HEP/WINALICORC

Product Type: Aluminium Casement Window
Intended Use: For use in domestic and commercial premises
Not intended for use on escape route
Declared System of Assessment Performance: 3
Provisions to which the Product Conforms: Annex ZA of EN 14351-1:2006+A2:2016
Reference to Supporting Product Certification and/or Test Reports (*supportive of compliance*): BFR - Thermal Report S158/20220906/003

Declared Performance:

Essential Characteristics

Essential Characteristics	Performance
Resistance to Wind Load:	Class CE2400
Watertightness:	Class E1200
Dangerous Substance:	No emissions of dangerous substances emitted
Load Bearing Capacity of Safety Device:	Npd
Acoustic Performance	Npd
Energy Rating:	A
Radiation Properties:	Npd
Air Permeability:	Class 4

This declaration of performance is issued under the sole responsibility of JCI Limited.

Signed for and on behalf of the Company by

Name of Representative: Richard Steckles

Job Title: Managing Director

Representative Signature: 

Date of Issue: 24 February 2023

Product CE Marking Detail:

