

# Create the dream

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**Glyngary**<sup>®</sup>

Bifolding Doors

[www.glyngary.co.uk](http://www.glyngary.co.uk) • [www.glyngaryhardware.co.uk](http://www.glyngaryhardware.co.uk)

moved by  
**centor**<sup>®</sup>

# welcome



## Your choice

Welcome to our first ever brochure dedicated to timber bifolding doors. Over recent years we've witnessed a steady increase in demand over the more traditional French or sliding patio doors. Hardly surprising, as bifolds are very stylish and when fully ajar offer approximately 90 percent clear opening for easy access.

Having invested considerable time and effort perfecting the optimum gearing system for our new range, we're confident that they meet the high standards of performance and versatility our customers have grown to expect from Glyngary. Choose from a variety of timbers which can incorporate DGU's or veneered door panels, or indeed can be RAL colour matched to customers requirements.

As well as exterior folding doors, we offer an internal version with veneered panels. These are ideal to separate living areas such as a living room from a dining room or commercially, to divide up conference rooms in a hotel.

If you're looking to set yourself apart from the competition, Glyngary's exclusive designs and superb quality will go a long way to helping you achieve this.

Should you require any further information, do not hesitate to contact us.

*Glyn*

Glyn Yates  
Director



Glyn Yates  
Sales & Marketing Director



Gary Yates  
Production & Technical Director

stainless steel gearing sapele interior  
exterior ash concealed fittings  
high security oak iroko  
black walnut custom painted

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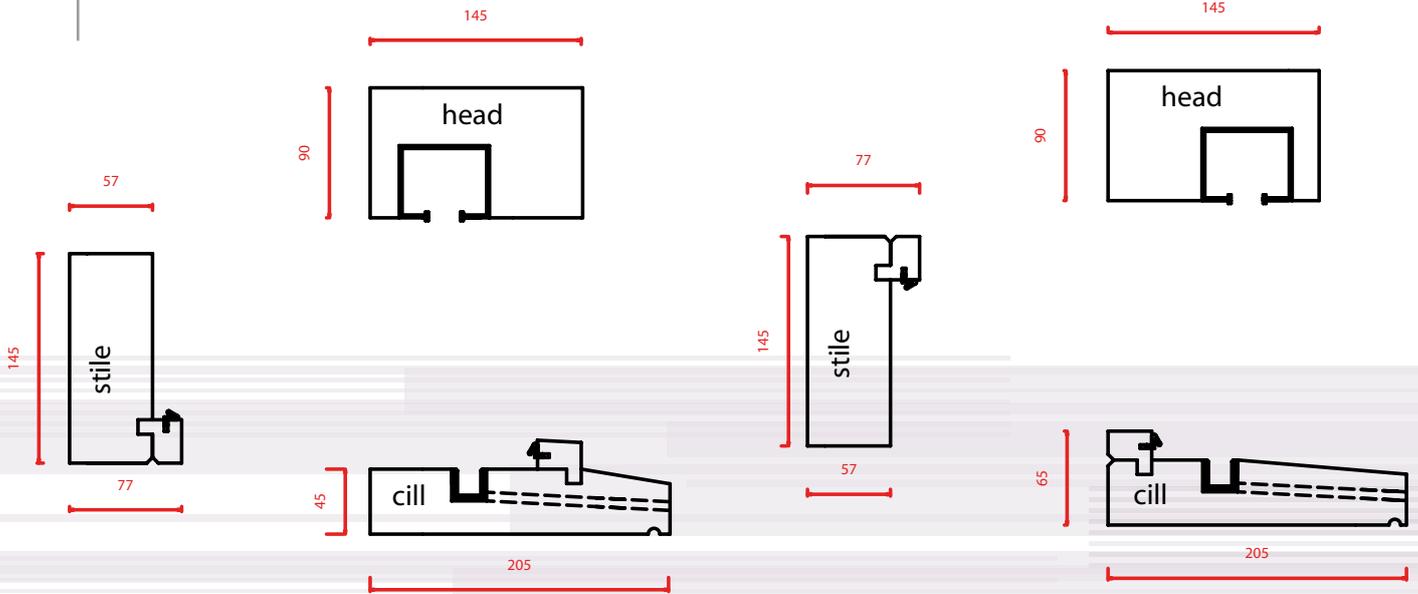


- Finishes:
- Stainless steel
  - PVD brass
  - Rubbed bronze powdercoat



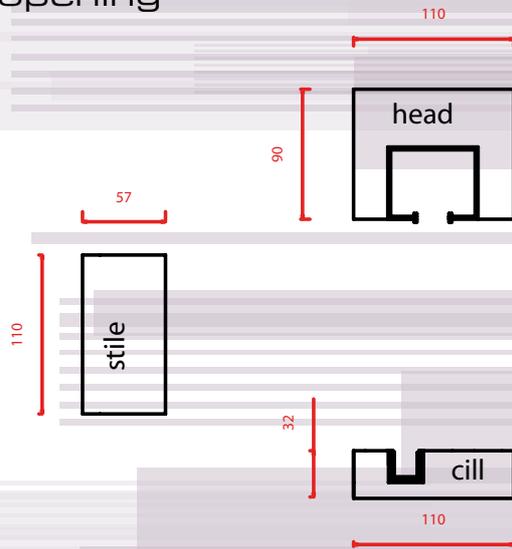
25 years  
in the making

# section details



internal opening

1



room divider

## Door Sections

55mm x 90mm top rail and stiles  
 55mm x 190mm bottom rails  
 Bespoke sections available on request.



# centor E3

**Centor E3 is a medium heavy bifolding door hardware system for door panels up to 80Kg. It is Centor Architectural's latest solution to the challenge of creating truly seamless transitions between indoor and outdoor spaces. E3 is suitable for a range of applications from stylish private residences to the most ambitious store front, restaurant or commercial project.**

## Imagine The Possibilities

Business or pleasure, E3 means entertainment without the interruption of conventional sliding or hinged doors, views which become vistas, a breeze when you please! Over the past decade Centor Architectural's groundbreaking exterior bifolding window and door technology had instigated a worldwide revolution in window and door installation.

One moment bifolding doors are acting as an effective, secure barrier from rain, wind and noise. The next they're effortlessly moved aside to reveal wide open space – with no fixed glass panels or posts. The considerable weight-bearing capacity of the elegant, precisely functioning E3 ensures that possible applications for Centor's bifold range are limited only by the imagination of the world's most progressive architects and designers. Engineered to withstand the most severe weather. E3 is just as suited to interior use. The ability to visually and physically connect spaces can be equally beneficial indoors and the sound-proofing effect of double-glazing equally important.

## High Performance System

Interior comfort, operational function, durability; painstaking attention to detail and an unerring commitment to quality mean 'Centor-grade' performance, whatever the category. The result is a degree of control and comfort for the end-user that matches the easy flexibility of modern design.

## Interior Comfort

E3 is truly a system for all seasons and all locations. Teamed with quality door panels, E3 hardware ensures a formidable barrier against the elements when closed. The integrity of the required internal environment is never compromised.

**Air Infiltration:** The E3 system achieves its superior rain and wind resistance in part from the way it allows the folding doors to close snugly against weather seals.

**Noise and Temperature:** With double glazing allowed for by E3's impressive panel weight capacity, unprecedented levels of insulation against noise and temperature variation are possible.

## Effortless Operation

While E3's outstanding performances as part of a secure, weatherproof barrier is crucial, it's not until the doors are opened that the space transforming benefits of the system truly come into play. For maximum enjoyment and use of the system, every effort has been made to ensure that doors glide open and slide shut with the minimum of effort throughout their working life.

**Adjustment:** While E3 is designed to operate flawlessly well into the future, built-in adjustment mechanisms make the system tolerant of an imperfect world. Surelock™, Centor's patented carrier pin locking system ensure that once heights are set they stay set, but should the door panels swell or newly built structures settle over time, the end-user can easily make vertical or lateral adjustments simply using a screwdriver.

## Proven Durability

**Cyclic Testing:** Centor's minimum requirements of cyclic testing for any released product is a gruelling 50,000 cycles without a single failure at maximum configuration. E3 had been tested in excess of 50,000 cycles with many parts rated to over 100,000 cycles.

**Corrosion Testing:** Stainless steel and engineering-grade plastics are used throughout the E3 system and are carefully selected to maximise performance in any environment. Centor conducts regular, thorough corrosion testing in a salt spray chamber, fixing hardware to various substrates to ensure that E3 will perform admirably even in the most exposed of coastal applications.

**Design Features:** A floating wall pivot is used to control door stile deflection and bowing on tall doors caused by wind loads or climatic conditions. Offset floor guides and floor pivots mean the guide channel is concealed beneath close doors, while top-rolling function means performance is never compromised by debris in tracks.

## E3 Assurance

**Unparalleled Security:** The E3 systems respond to an increasingly security conscious market place with measures designed to ensure unwanted visitors are excluded – as well as the elements.

**Concealed Fittings:** When doors utilising E3 are closed there are no externally accessible parts that can be removed or damaged. Screw fixings are concealed.

**Locking Screw Technology:** The E3 system incorporates locking screw technology which ensures the E3 hardware can not be removed from the track when the doors are closed.

# E3 projects

3



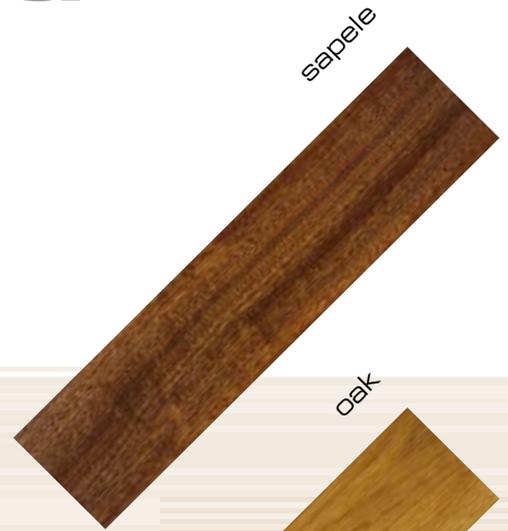
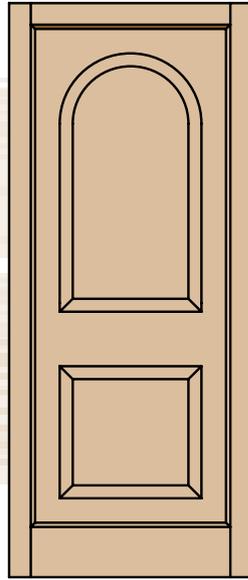
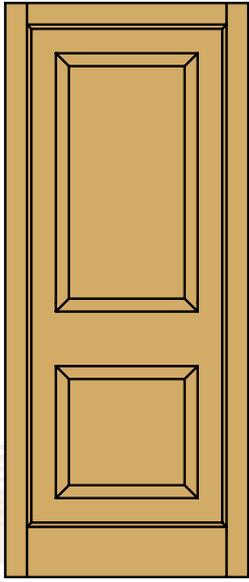


# door opening configurations





# veneered door panels



sapele



oak



iroko

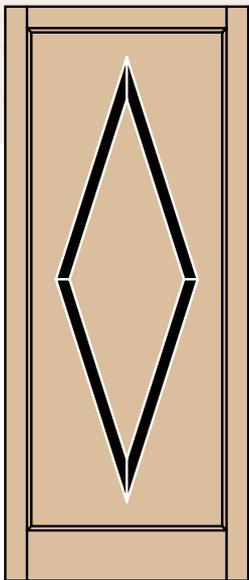
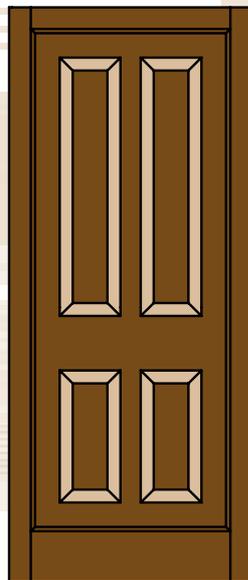
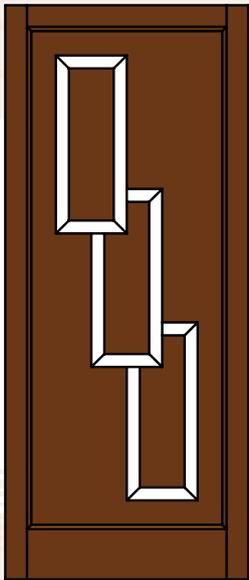


black walnut



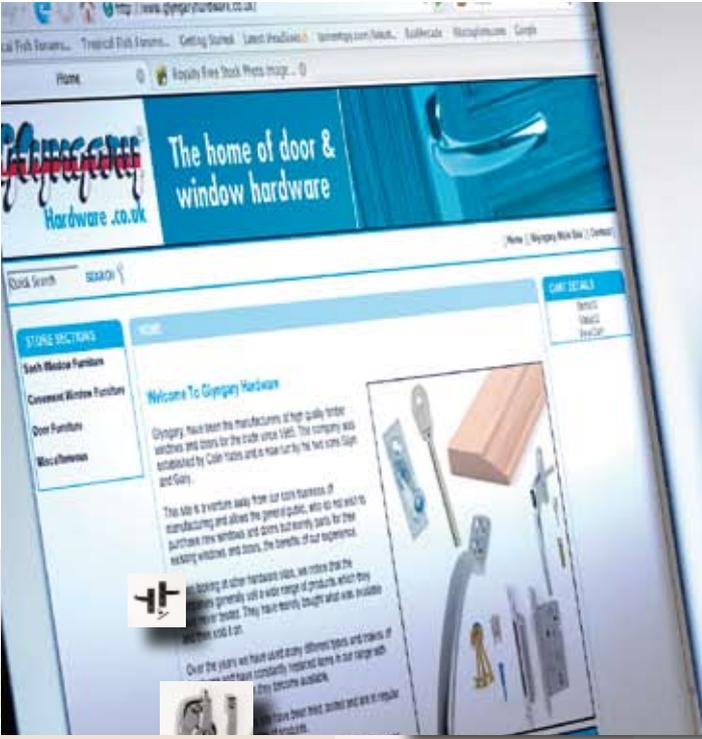
ash

7



## door panels

Can be any timber veneer, or painted to RAL colour of your choice. Mouldings can be applied to one or both sides and to any design you require.



# Glyngary®

quality window & door hardware direct from glyngary's own online e-tailing site

[www.glyngaryhardware.co.uk](http://www.glyngaryhardware.co.uk)

## Glyngary Energy Efficient Windows

<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Flush Sash-Shootbolt (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) +2 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Straight Slider (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -3 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.6 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Straight Slider (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -10 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.6 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Straight Slider (Accoya)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) 0 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.48 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Classic 300 (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -4 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.47 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>
<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Flush Sash-Shootbolt (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -5 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Stormproof-Shootbolt (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) 0 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Rehau S719 Heritage PVCu</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -8 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0.01 W/m<sup>2</sup>.K</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Stormproof-Pegstay (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) +1 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.48 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Stormproof-Pegstay (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) +5 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.47 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>
<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Flush Sash-Pegstay (Softwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) +6 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.46 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Stormproof-Shootbolt (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -6 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.45 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Classic 300 (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) -10 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.6 W/m<sup>2</sup>.K 0.47 W/m<sup>2</sup>.K 0.05 W/m<sup>2</sup>.K</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Flush Sash-Pegstay (Hardwood)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) 0 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.5 W/m<sup>2</sup>.K 0.48 W/m<sup>2</sup>.K 0</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>	<p><b>Window Energy Rating</b> GLYNGARY KM 566095 Classic 300 (Accoya)</p> <p><b>A</b></p> <p>Efficiency rating (kWh/m<sup>2</sup>/year) 0 <b>UK</b></p> <p>Thermal Transmittance Solar Factor Air Leakage 1.4 W/m<sup>2</sup>.K 0.46 W/m<sup>2</sup>.K 0.05 W/m<sup>2</sup>.K</p> <p>www.Kitemark.com Approved Document L1B 4.2.2</p>