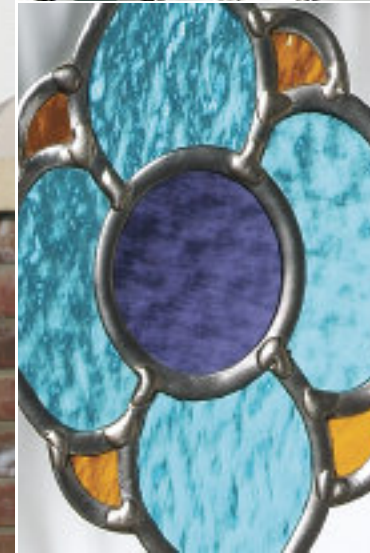
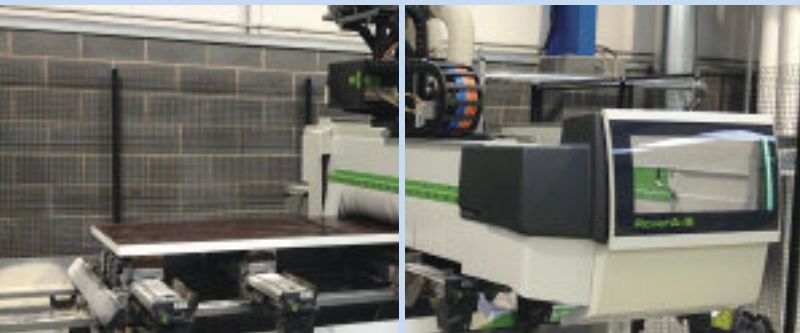
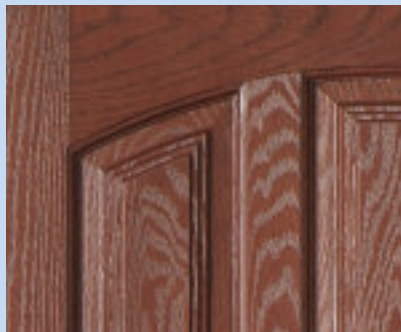


# Composite Door Collection





**The Sternfenster Composite Door Collection is a breakthrough in door technology, combining proven levels of high security with incredible good looks...in fact, quite simply, a door that possesses superior style with strength.**



#### **Wider range of colours**

The new Composite door range is available in virtually any colour, from our standard range of white, red, green, blue and black to colours to complement the laminated foiled range of windows through to our premium range of RAL coloured doors.

#### **Greater thermal efficiency**

Our new range of foam filled composite doors achieve a U Value of 1.0 W/m<sup>2</sup>K, when combined with thermally efficient glazing panels U values of around 1.4Wm<sup>2</sup>K are easily achievable. On average our doors are 15 – 20% more thermally efficient than solid timber doors.

#### **Superior surface finish**

Our new slabs offer a 2mm thick GRP skin which is more hardwearing than the more common

PVC-u skins which are found on many solid door slabs. These new skins are also reinforced which means that you cannot cut through the skins to gain access and our skins will pass they key/thumb turn test with ease. Our slabs are regularly tested at BM Trada and are designed to exceed all current standards.

#### **100% CFC free Polyurethane core**

The insulating layer consists of CFC free polyurethane which provides superior thermal performance as well as enhancing the doors soundproofing.

#### **Less slab movement**

Typically solid core doors have a bow tolerance of 5mm, our slabs have only a 2mm tolerance due to the use of high grade LVL, laminated veneered Lumber. This high grade timber means that the frame is better protected from moisture and therefore less likely to warp, twist and bow than many other slabs on the market. Our use of reflective paint also means that dark colours will remain cooler which again reduces the likelihood of the slabs bowing, which is another reason why our slabs carry a 25 year structural guarantee!

**Better thermal values...better surface finish...better reliability!**





### Our Door

Our Composite Door is a combination of traditional looks and advanced manufacturing techniques. Although looking like a traditional timber door, our composite doors are manufactured using grained GRP skins with a composite core that will stand the test of time, reduce your energy bills and continue to look stunning for years to come.

### Looks that count

Your front door is the entrance to your home and says so much about you - so why compromise. The high-definition embossing of the GRP skins give a real wood-look and the mouldings give the feel of a traditional timber door. As well as the woodgrain effects, we also offer our door in a range of 15 paint finishes to really make your entranceway something special.



### Keep the weather out - keep the heat in

Composite doors are much more thermally efficient than either timber or PVC doors and achieve considerably better 'U' values than required by the latest building regulations. They also have multiple seals to ensure that drafts are a thing of the past.

### Designed with Security in mind

A massive 67% of burglaries are through a door, so fitting a high security door is essential. All our doors can be fitted with multi-point locking systems and have been tested to the latest security standards. The option of upgrading the glass from toughened to laminated is available if required. Our composite doors have been tested to the rigorous PAS 24 standard.



### Long term Performance

Most timber doors will expand and contract with the changing weather and are susceptible to warping and twisting. With our composite door, the internal construction of timber, LVL and composite material combined with a high density polyurethane core is designed for maximum strength that will remain stable whatever the weather.



### Virtually maintenance free

Our specially developed GRP skins, combined with an industry leading paint finish, will maintain its colour and gloss for many years and there is no need for repainting or staining. Simply wipe down the door and it will continue to look as good as new.

# composite door styles

We offer our doors in a variety of glazing configurations, so whether you are looking for high levels of light, a more private environment or you want to replicate an existing door, we have the style you need. Sidelights and toplights can also be used in combination with the doors illustrated and some can be used for French Door applications.



**carnoustie** p8

**birkdale** p10

**penina** p12

**portrush** p14

**riviera** p16

**muirfield** p18

**troon** p20

**lytham** p22

**turnberry** p24



**gleneagles** p26

**st andrews** p28

**sunningdale** p30

**belfry** p32

**seminole** p34

**augusta** p36

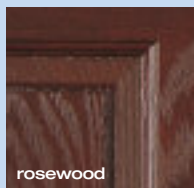
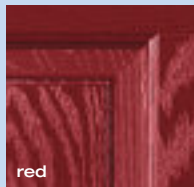
**monza** p38

**inox** p40-43

# composite door colour options

Our doors are available in a range of standard colour and woodgrain finishes, but with our state of the art paint plant, we can now provide a wide range of specialist colours and a colour matching service.

## standard colours



## premium colours

 clotted cream	 clay	 cream white	 vanilla	 moonshine
 chartwell	 olive grove	 cotswold	 nimbus	 wedgewood
 slate	 military grey	 regency	 anthracite	 citrine
 sunshine	 florida	 bolero	 diablo	 mulberry
 very berry	 california	 french blue	 twilight	 victory blue
 azure	 stormy seas	 emerald		

With our high performance paint technology, we can provide a wider palette of door colours including options for customers looking to match PVC-u colour foiled frames.



## bespoke colours

Our mixing system allows a choice of colour options from the popular RAL colour range.

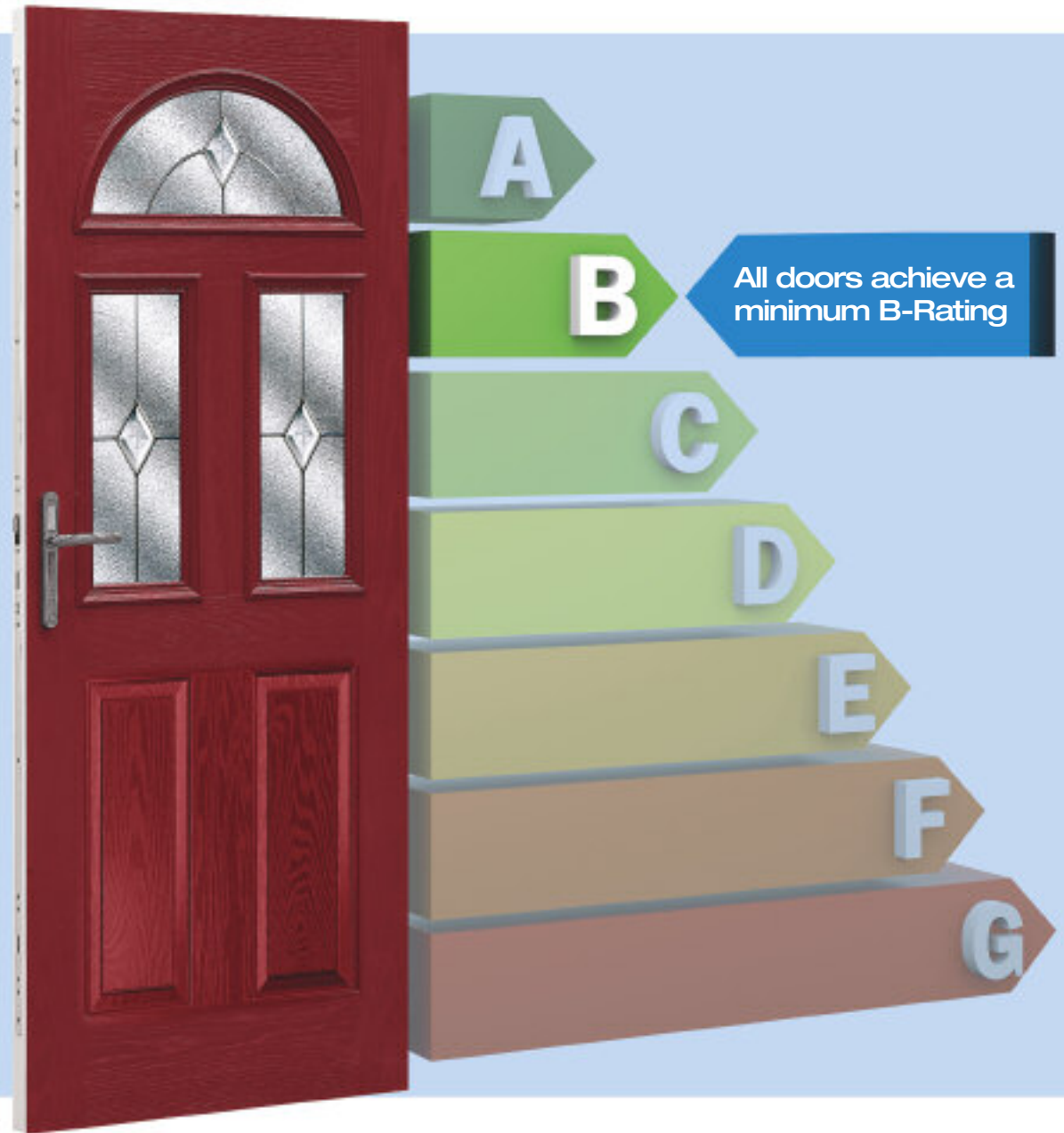
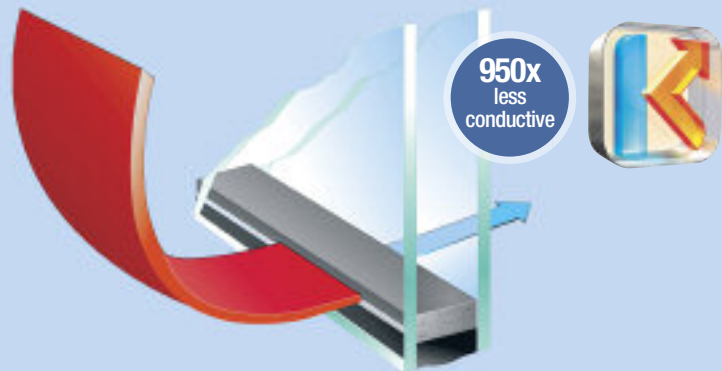
Door colours shown in this brochure should be used for guidance only, as the limitations in photographic and printing processes may mean that colours of products vary from those illustrated.

## thermally efficient glass decoration with added performance

Modern Composite doors are a combination of great looks and high performance, with strength, low maintenance and probably, most important of all, superb energy efficiency.

As energy costs continue to rise, choosing a door that keeps in the heat and keeps out the cold is now more important than ever - and composite doors are the most energy efficient on the market today. The performance of the door is achieved by a combination of the latest technologies which include the glass elements.

The decorative glass designs in this catalogue combine great aesthetics with high performance, by using Pilkington low-e glass combined with argon gas in the cavity to reduce the amount of heat loss through the glazed area. All our units are also sealed using warm edge spacer technologies to reduce the heat transfer at the edges of the glass.





# glazing styles

brass/zinc art



Stunning visual effect with multiple glass textures and bevels

All units are triple glazed for easy cleaning and extra security

It is not possible to produce matching sidelights or toplights

Changes to the glass types used or came colours is not possible

crystal art



Encapsulated inside a double glazed unit for easy cleaning

Stunning bevel effects which beautifully refract light

High levels of privacy with textured glass effects and prismatic bevel effects

It is not possible to produce matching sidelights or toplights

fusion/etch art



Contemporary glass designs using fused glass or clear bevel elements

Dual Glazed construction so you can touch the glass elements

Colour changes available to match or complement the door colour

It is not possible to produce matching sidelights or toplights

resin art



Fine lines and hand-painting allow for very intricate designs

Dual glazed construction so you can touch the glass elements

It is possible to produce matching sidelights or toplights

Large range of textured backing glass is available for added privacy

overlay art



Dual glazed construction so you can touch the glass elements

Colour changes available to match or complement the door colour

It is possible to produce matching sidelights or toplights

Large range of textured backing glass is available for added privacy



THE  
**carnoustie**  
COMPOSITE DOOR



00

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



decorative glass options



**classic** zinc art glass



**elegance** zinc art glass



**flair** zinc art glass



**simplicity** zinc/brass art glass

decorative glass options



**reflections** zinc art glass



**murano** fusion art glass



**dorchester** zinc art glass



**diamonds** overlay art glass



THE  
**birsdale**  
COMPOSITE DOOR



10

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



decorative glass options



**classic** zinc art glass



**elegance** zinc art glass



**flair** zinc art glass



**simplicity** zinc art glass

decorative glass options



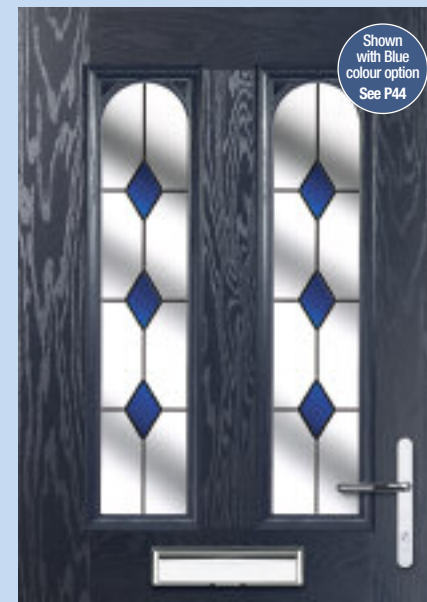
**thornclyffe** zinc art glass



**murano** fusion art glass



**fleur** resin art glass



**diamonds** overlay art glass



THE  
**penina**  
COMPOSITE DOOR



12

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



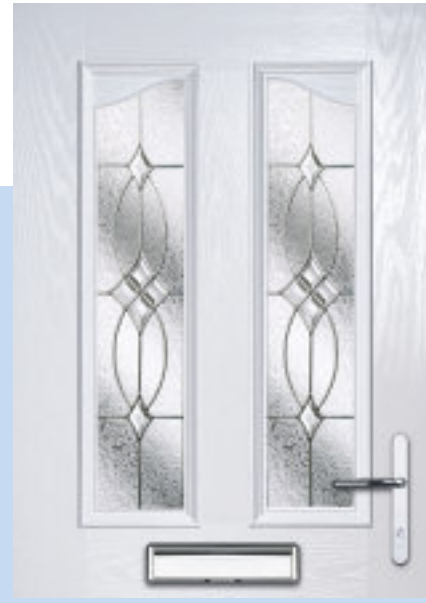
decorative glass options



**classic** zinc art glass



**thorncliffe** zinc art glass



**flair** zinc art glass



**symphony** fusion art glass

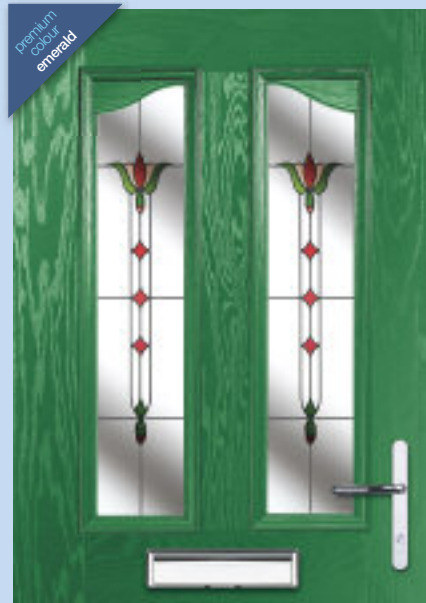
decorative glass options



**murano** fusion art glass



**roma** etch art glass



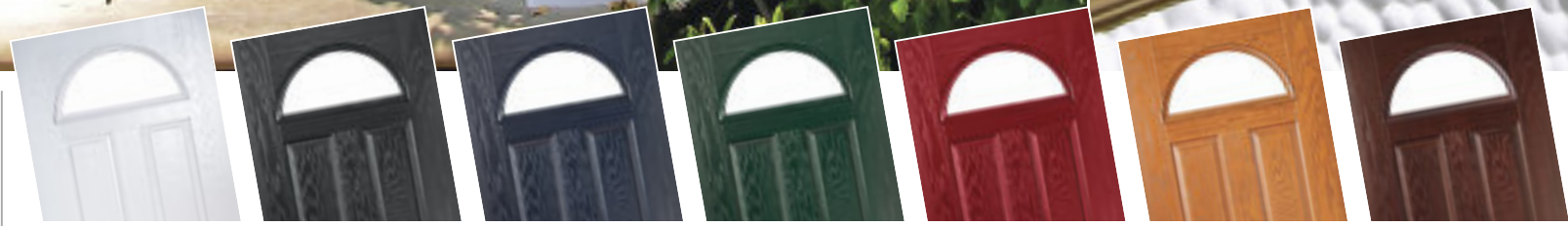
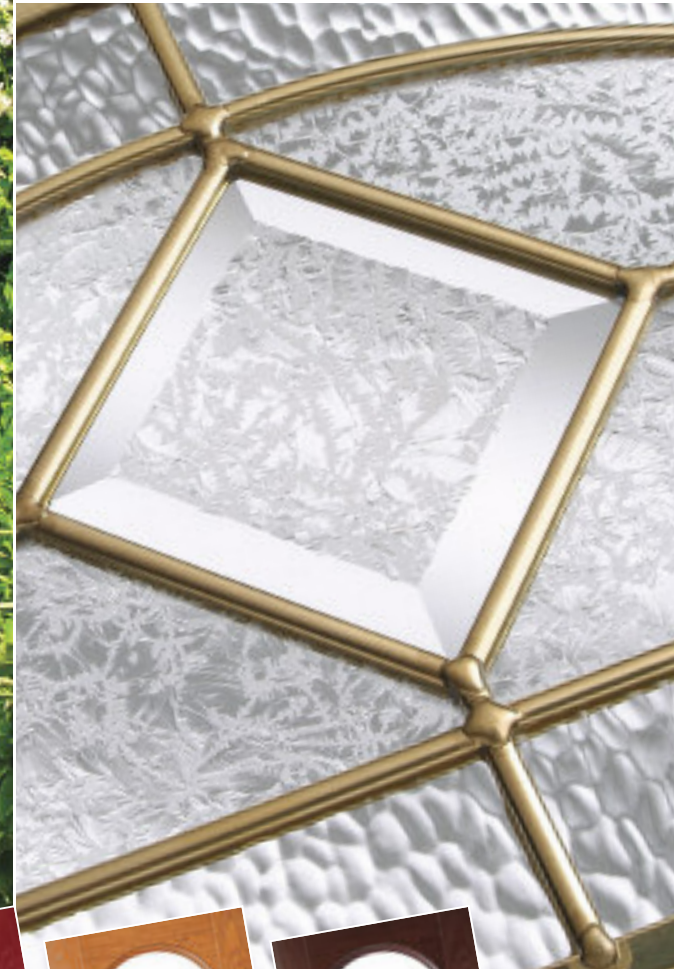
**fleur** resin art glass



**diamonds** overlay art glass



THE  
**portrush**  
COMPOSITE DOOR

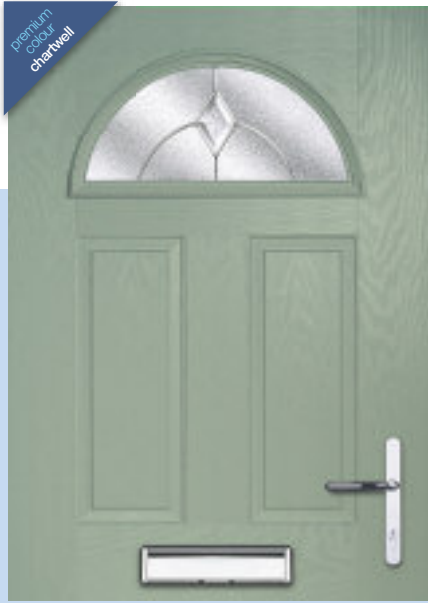


standard  
door colour  
options

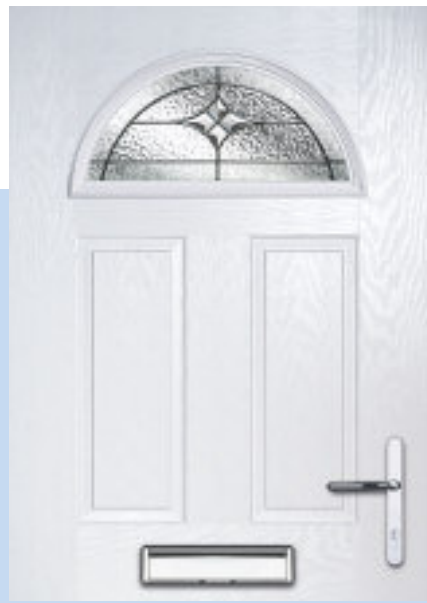
white      black      blue      green      red      golden oak      rosewood



decorative glass options



**classic** zinc art glass



**elegance** zinc art glass

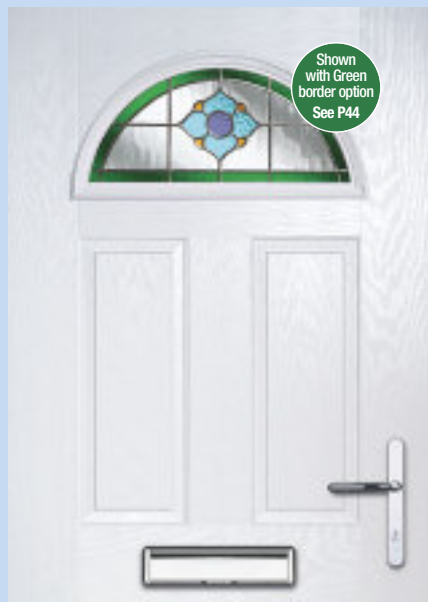


**simplicity** zinc/brass art glass

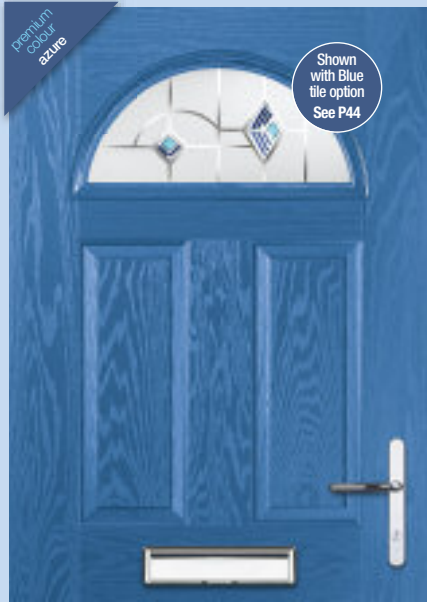


**reflections** zinc art glass

decorative glass options



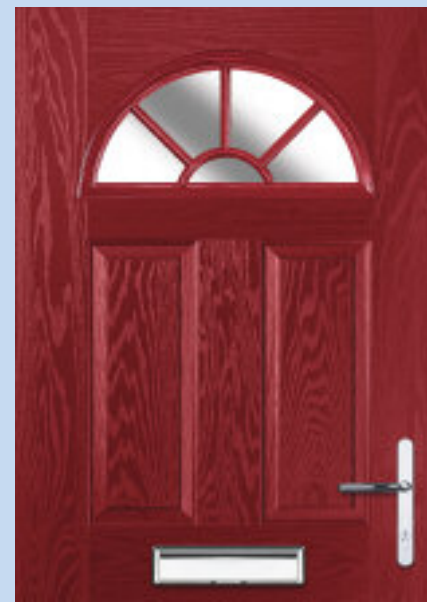
**dorchester** zinc art glass



**murano** fusion art glass



**roma** etch art glass



**sunburst** clear glass

THE  
**riviera**  
COMPOSITE DOOR



16

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



decorative glass options



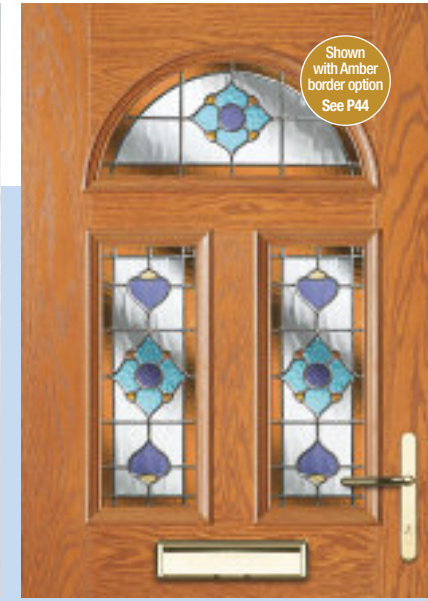
**classic** zinc art glass



**elegance** zinc art glass



**simplicity** zinc/brass art glass



**dorchester** zinc art glass

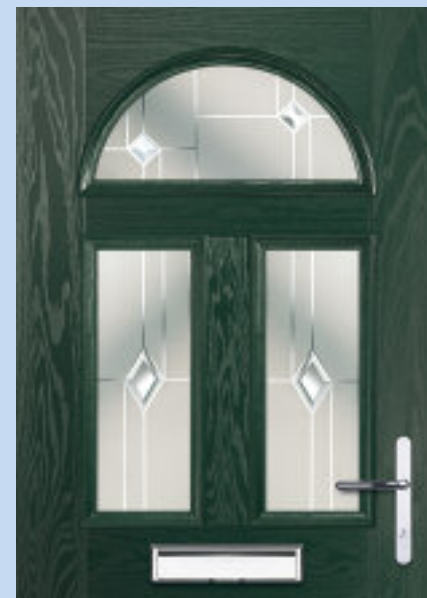
decorative glass options



**reflections** zinc art glass



**murano** fusion art glass



**roma** etch art glass



**sunburst** clear glass



THE  
**muirfield**  
COMPOSITE DOOR



18

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



decorative glass options

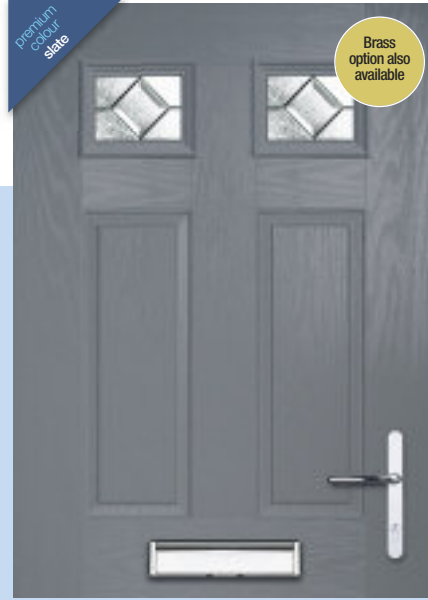


premium colour twilight

classic zinc art glass



elegance zinc art glass



premium colour slate

Brass option also available

simplicity zinc/brass art glass



Shown with Green border option See P44

dorchester zinc art glass

decorative glass options



Shown with Black tile option See P44

murano fusion art glass



roma etch art glass



fleur resin art glass



Shown with Red colour option See P44

diamonds overlay art glass

THE  
**troon**  
COMPOSITE DOOR



20

standard  
door colour  
options



white



black



blue



green



red



golden oak



rosewood



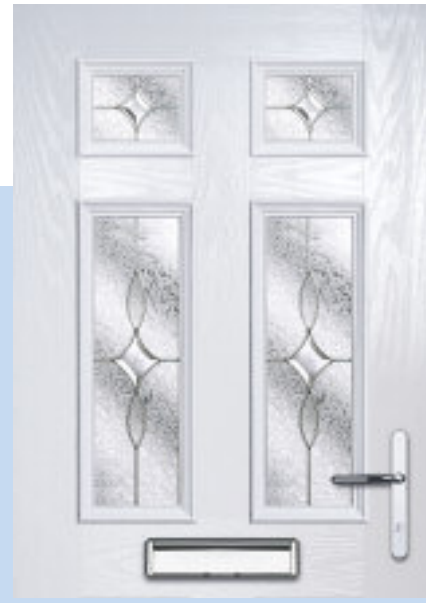
decorative glass options



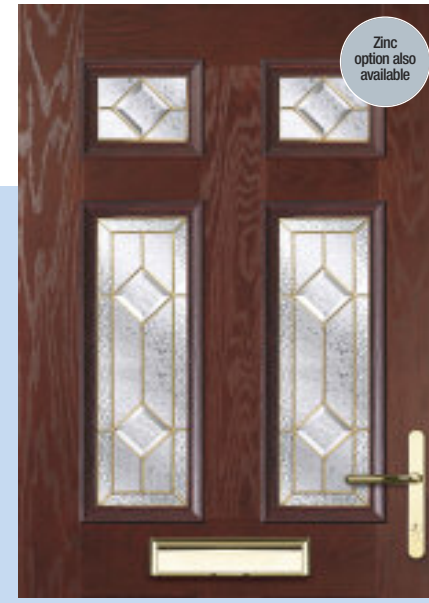
**classic** zinc art glass



**elegance** zinc art glass



**flair** zinc art glass



**simplicity** zinc/brass art glass

decorative glass options



**dorchester** zinc art glass



**murano** fusion art glass



**roma** etch art glass



**diamonds** overlay art glass



THE  
**lytham**  
COMPOSITE DOOR



white

black

blue

green

red

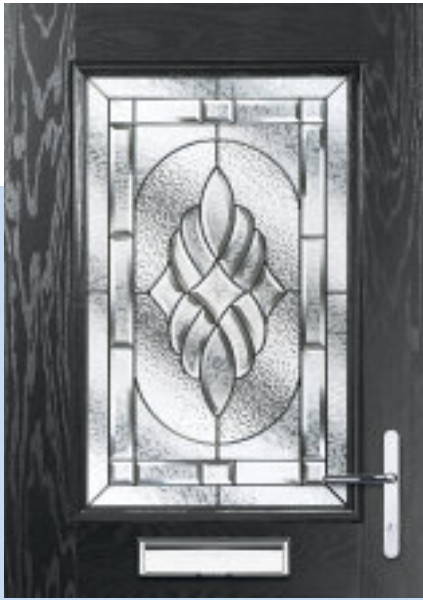
golden oak

rosewood

standard  
door colour  
options



decorative glass options



**elegance** zinc art glass



**simplicity** zinc art glass



**thorncliffe** zinc art glass



**reflections** zinc art glass

back door options



**prairie** zinc art glass



**murano** fusion art glass



**gridlite** etch glass



**french** crystal art glass

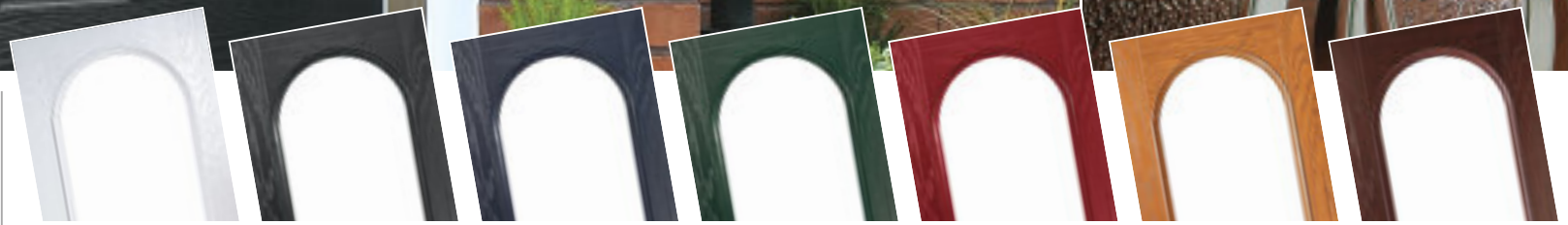


THE  
**turnberry**  
COMPOSITE DOOR



24

standard  
door colour  
options



white

black

blue

green

red

golden oak

rosewood



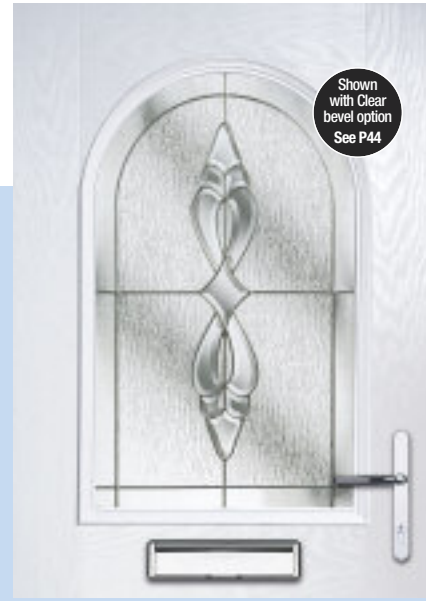
decorative glass options



**elegance** zinc art glass



**simplicity** zinc art glass

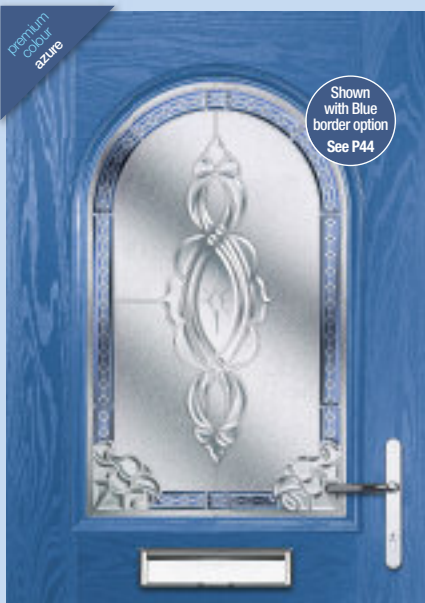


**thorncliffe** zinc art glass



**prairie** zinc art glass

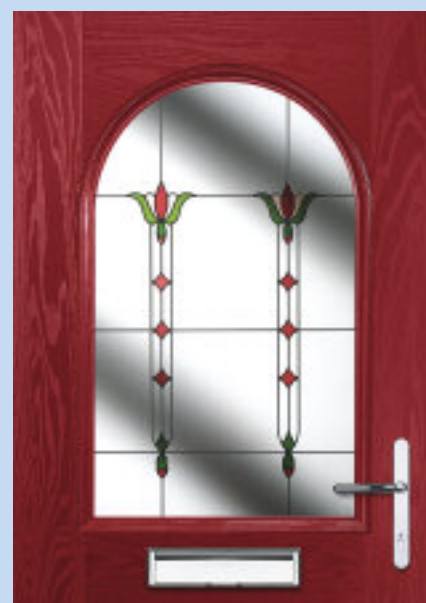
decorative glass options



**french** crystal art glass



**murano** fusion art glass



**fleur** resin art glass



**gridlite** etch glass

THE  
**gleneagles**  
COMPOSITE DOOR



door colour  
options

white

black

blue

green

red

golden oak

rosewood



decorative glass options



reflections zinc art glass



simplicity zinc/brass art glass



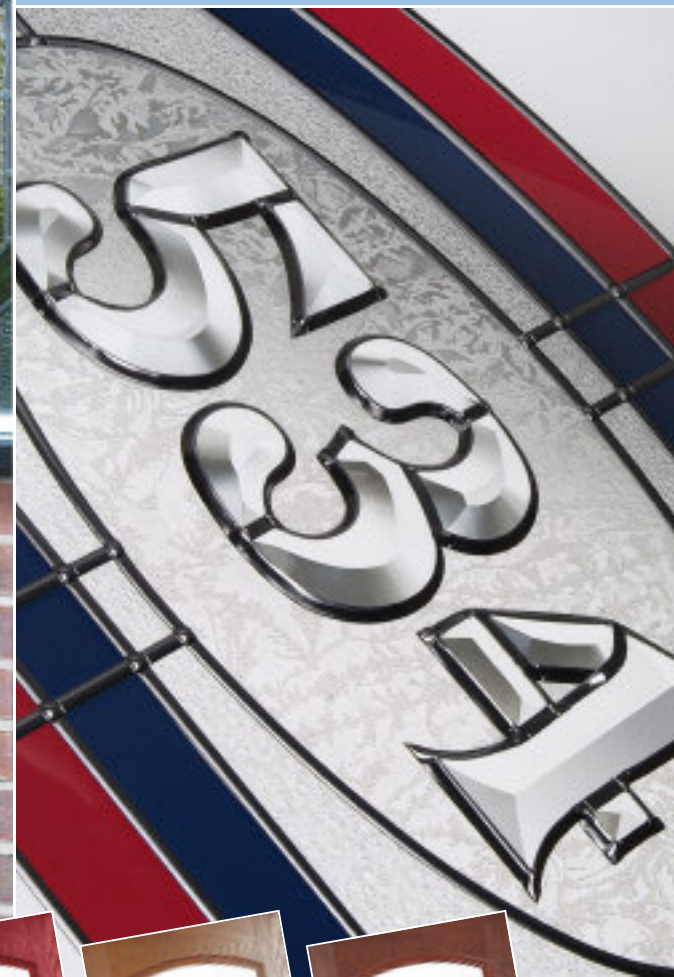
prairie zinc art glass



murano fusion art glass

the gleneagles

THE  
**st andrews**  
COMPOSITE DOOR



28

door colour  
options



white



grey



black



blue



green



red



golden oak



rosewood



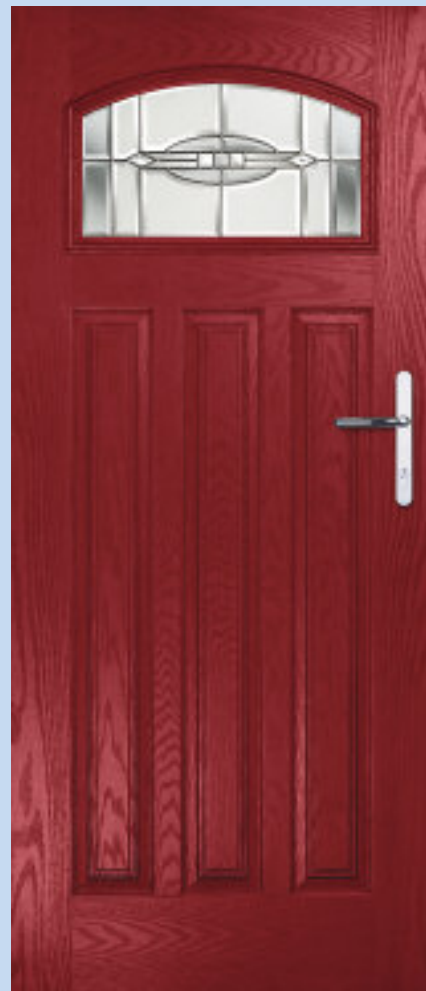
decorative glass options



**simplicity** zinc/brass art glass



**dorchester** zinc art glass



**reflections** zinc art glass



**numbers** overlay art glass

THE  
**sunningdale**  
COMPOSITE DOOR



white

black

blue

green

red

golden oak

rosewood

standard  
door colour  
options



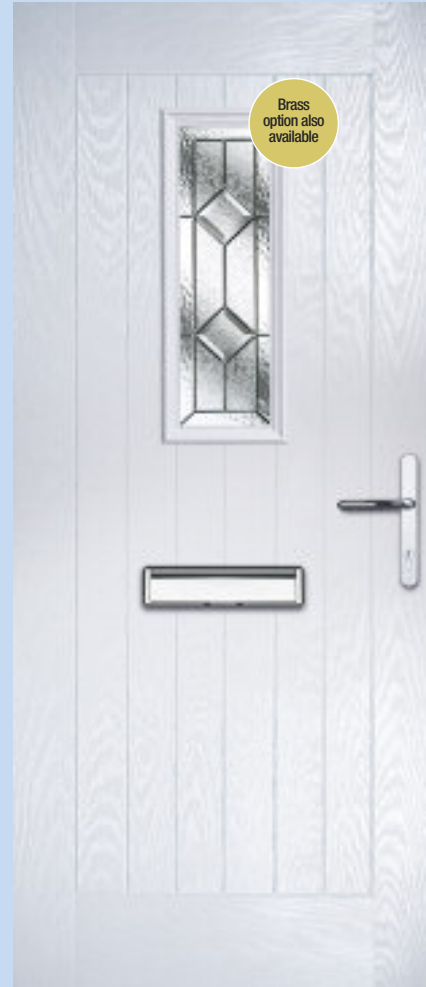
decorative glass options



**classic** zinc art glass



**diamond cut** zinc art glass



**simplicity** brass/zinc art glass



**roma** etch art glass

door slab options



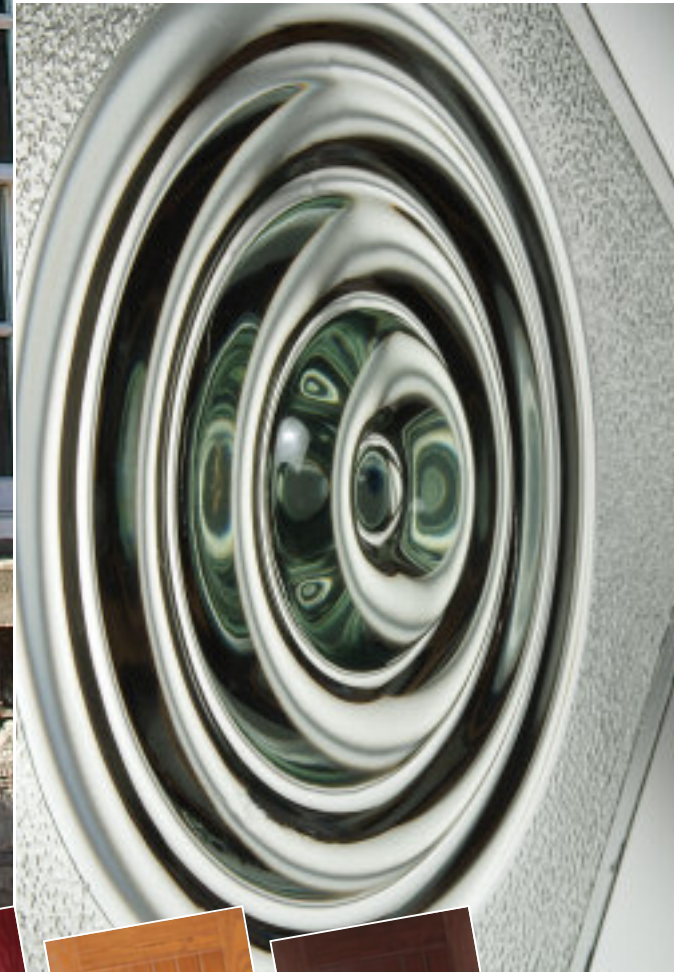
flush

cottage

farmhouse



THE  
**belfry**  
COMPOSITE DOOR



32

standard  
door colour  
options



white



black



blue



green



red



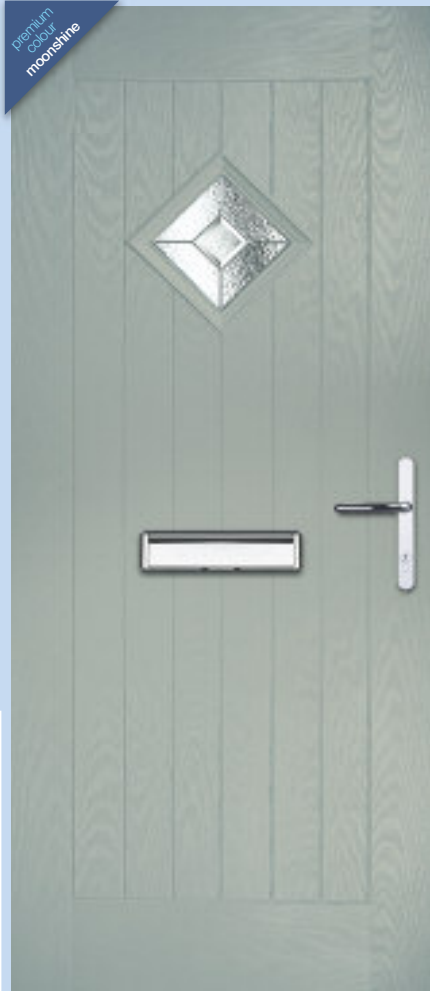
golden oak



rosewood



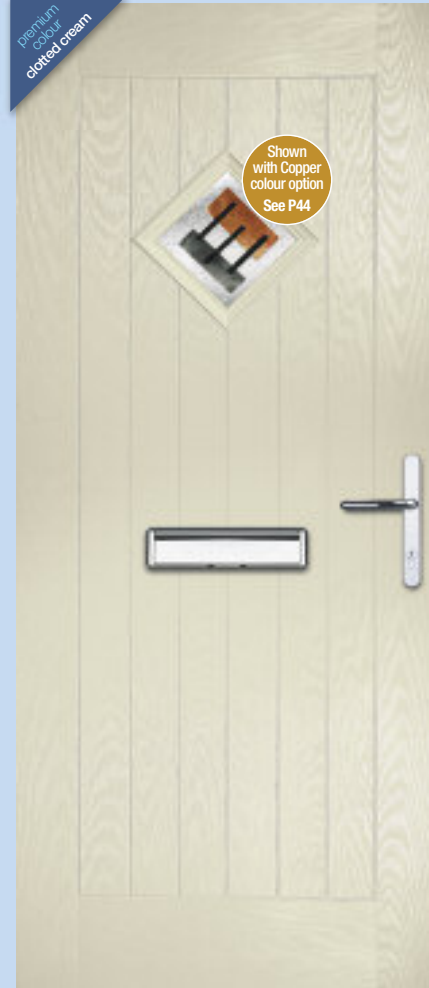
decorative glass options



**simplicity** zinc art glass



**murano** fusion art glass



**encanto** fusion art glass



**bullseye**

door slab options



flush

cottage

farmhouse

THE  
**seminole**  
COMPOSITE DOOR



standard  
door colour  
options



white



black



blue



green



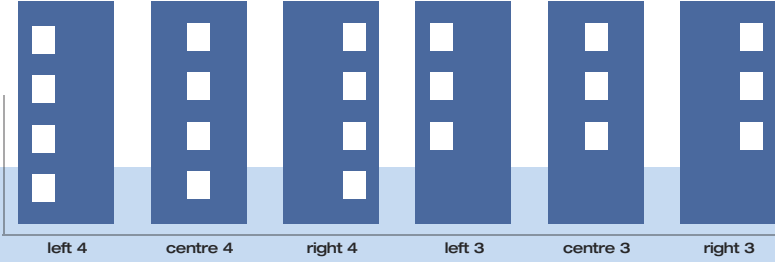
red



door slab options



glazing position\* options



decorative glass options



simplicity zinc/brass art glass



prairie zinc art glass



roma etch art glass



murano fusion art glass

cylinder and \*glazing positions for illustration purposes only

THE  
**augusta**  
COMPOSITE DOOR



standard  
door colour  
options



white



black



blue

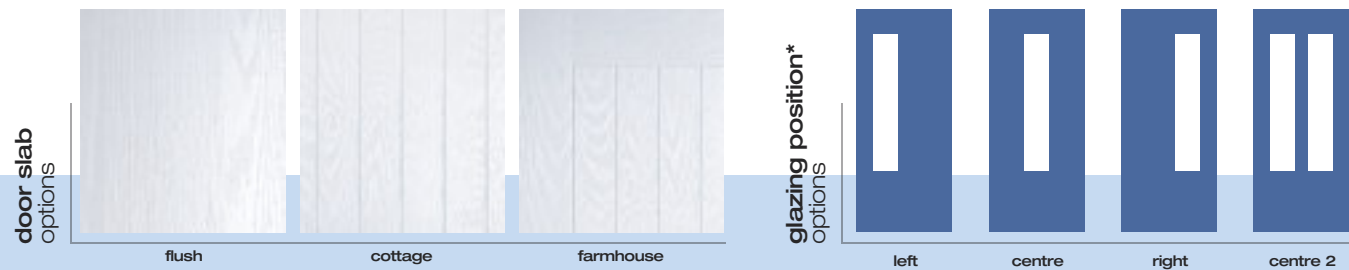


green



red





decorative glass options



reflections zinc art glass



diamond cut zinc art glass



simplicity zinc art glass



murano fusion art glass

cylinder and \*glazing positions for illustration purposes only



THE  
**monza**  
COMPOSITE DOOR





decorative glass options



premium colour  
anthracite

linear etch art glass



premium colour  
slate

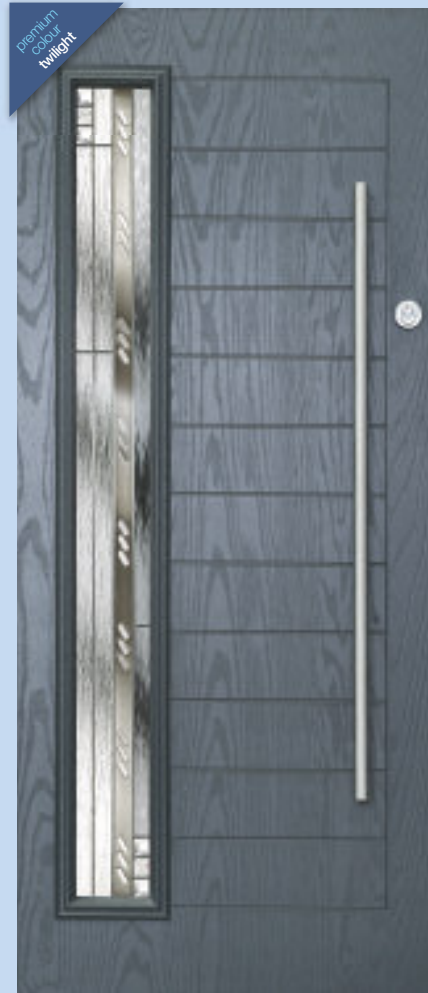
symphony fusion art glass



premium colour  
very berry

Shown  
with Purple  
tile option  
See P44

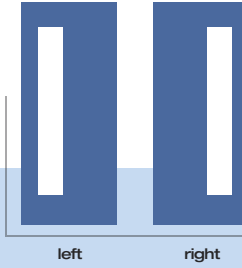
tahoe etch art glass



premium colour  
twilight

matrix zinc art glass

glazing position\*  
options

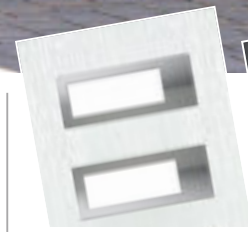


cylinder and \*glazing positions for illustration purposes only

THE  
**inox**  
COMPOSITE DOOR



standard  
door colour  
options



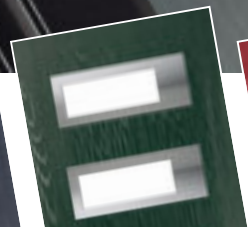
white



black



blue



green



red



decorative glass options



Shown with Copper colour option See P44

nice encanto glass



Premium colour shadow

Shown with Blue colour option See P44

nice scirocco glass



Shown with Black tile option See P44

munich murano glass



munich eiger glass



Premium colour shadow

lyon roma grey glass



lyon tacoma glass

decorative glass options



Shown with Blue tile option See P44

bern tahoe glass



Premium colour shadow

Shown with Black tile option See P44

bern murano glass



Shown with Blue tile option See P44

berlin venetia glass



Shown with Black tile option See P44

berlin tahoe glass



Premium colour shadow

prague roma grey glass



Shown with Green colour option See P44

prague lucero glass

THE  
**inox**  
COMPOSITE DOOR



standard  
door colour  
options



white

black

blue

green

red



decorative glass options



paris equinox glass



biarritz tacoma glass



barcelona cielo glass



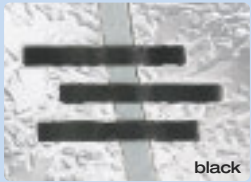
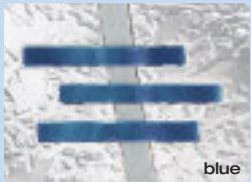
barcelona quartz glass

inox are only available with flush door skin | cylinder and \*glazing positions for illustration purposes only

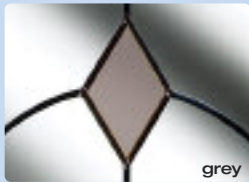
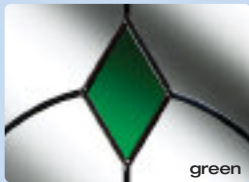
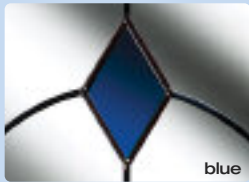
the inox

# coloured and textured glass options

cielo



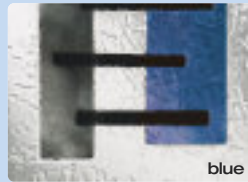
diamonds



dorchester



encanto

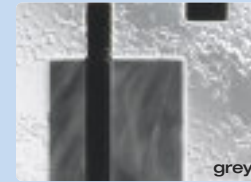
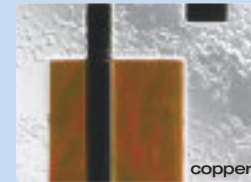


french



French colour options only available in turnberry doorstyle

lucero



murano





scirocco



blue



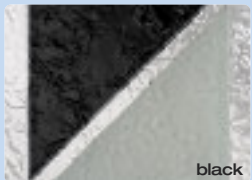
green



copper



purple



black

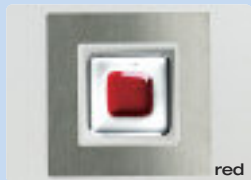
tahoe



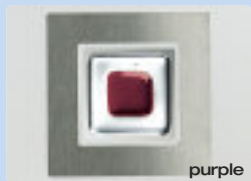
blue



green



red



purple



black

thorncliffe



blue



green



red



grey



bevel

venetia



blue



green



red



purple



black

textured glass

With our Diamonds, Fleur and Sunburst designs, we recommend that a textured backing glass is used to add an extra level of privacy. You can also specify any of these textured backing glasses for use with our sidelight and toplight frames.

standard patterns



cathedral



cotswold



pinpoint

pilkington glass patterns



contora



digital



flemish



minster



oak

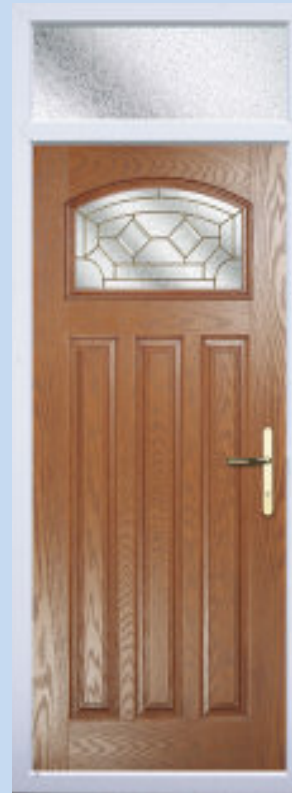


stippolyte

## sidepanel and toplight options



With our Composite Door, we offer a wide range of options for creating sidepanel and toplight options that will complement your door.



toplight with glue-chip glass



double composite sidepanels



full glaze sidepanel

midrail sidepanel



### Specification for our 44mm thick door slabs

- Grained GRP SMC skins are available in a wide variety of styles and colours including wood stains
- Stiles and Rails are manufactured from a water-resistant polymer
- LVL is used as the main internal reinforcement
- Skins and sub frame are bonded with an Urethane Adhesive Resin
- The door is filled with CFC-Free Polyurethane Foam density 44.5 – 45.5kg/m<sup>3</sup>
- Ozone Destruction index is 0
- Global Warming Index is 0.01
- Superior heat and sound insulation
- Complimentary choice of grained snap fit or deglazeable cassettes
- Centre Pane Value of 0.44
- Doors have exceeded the requirements of PAS24
- Q-Marked with full manufacturing traceability

### Glass

All the double and triple glazed units used in our doors are manufactured to the highest standard and come with internationally recognised accreditations for performance, strength and thermal efficiency.

#### High Performance Units

All units are made with toughened glass to comply with EN12150, the International standard for safety glass. All units are manufactured to the EN1279 standard for quality of seal and life expectancy and come with a manufacturer's backed warranty of 5 years.

#### Thermally Efficient

All the glass in our range comes with Energy Plus as standard. They are manufactured using low emissivity glass and the airspace is filled with Argon gas to give industry leading thermal efficiency.

#### Security Option

All our glazing options can be supplied with a Security Plus upgrade where the outer pane of toughened glass is replaced with breakthrough resistant laminated glass.

### Care and Maintenance Instructions

Your composite door can be cleaned simply and effectively as follows:

- Use a damp cloth with warm soapy water and dry with a soft cloth
- For glass and hardware cleaning and maintenance please refer to your installers guidelines

Never use the following on your door:

- Abrasive cloths or cleaners
- Pressure washers
- Bleach, varnish removers, white spirits or any similar product
- Excessive rubbing or over cleaning

**sternfenster**  
windowsystems

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We reserve the right to make changes to the product specification as technical developments dictate and without prior notice. Pictures shown in this brochure are for illustrative purposes only and are not binding in specification or detail. For technical reasons associated with colour reproduction, the colours shown give only an indication of shade, no guarantee can be given that they will exactly match the actual product finish.

