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/m²K, when combined with thermally efficient glazing panels U values of around 1.4W/m²K 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.
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.
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.

<table>
<thead>
<tr>
<th>Standard Colours</th>
<th>Premium Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>black</td>
<td>clotted cream</td>
</tr>
<tr>
<td>blue</td>
<td>clay</td>
</tr>
<tr>
<td>red</td>
<td>cream white</td>
</tr>
<tr>
<td>green</td>
<td>vanilla</td>
</tr>
<tr>
<td>rosewood</td>
<td>moonshine</td>
</tr>
<tr>
<td>oak</td>
<td>chartwell</td>
</tr>
<tr>
<td>white</td>
<td>olive grove</td>
</tr>
<tr>
<td>chartwell</td>
<td>cotswold</td>
</tr>
<tr>
<td>slate</td>
<td>nimbus</td>
</tr>
<tr>
<td>military grey</td>
<td>wedgewood</td>
</tr>
<tr>
<td>regency</td>
<td>shadow</td>
</tr>
<tr>
<td>slate</td>
<td>florida</td>
</tr>
<tr>
<td>regency</td>
<td>bolero</td>
</tr>
<tr>
<td>anthracite</td>
<td>diablo</td>
</tr>
<tr>
<td>citrine</td>
<td>mulberry</td>
</tr>
<tr>
<td>sunshine</td>
<td>very berry</td>
</tr>
<tr>
<td>very berry</td>
<td>california</td>
</tr>
<tr>
<td>azura</td>
<td>french blue</td>
</tr>
<tr>
<td>emerald</td>
<td>twilight</td>
</tr>
<tr>
<td>stormy seas</td>
<td>victory blue</td>
</tr>
<tr>
<td>emerald</td>
<td>stormy seas</td>
</tr>
</tbody>
</table>

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.

**Standard colours**

- black
- blue
- red
- green
- rosewood
- oak

**Premium colours**

- clotted cream
- clay
- cream white
- vanilla
- moonshine
- chartwell
- olive grove
- cotswold
- nimbus
- wedgewood
- shadow
- florida
- bolero
- diablo
- mulberry
- very berry
- california
- french blue
- twilight
- victory blue
- stormy seas
- emerald

**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.
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.

**Thermally efficient glass** decoration with added performance

All doors achieve a minimum B-Rating
**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
  - 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

- **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 CARNOSTIE 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
- 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

Brass option also available

- premium colour chartwell
- premium colour anthracite
- premium colour cotswold

Show with Black tile option
See P44

Show with Green border option
See P44

Show with Red colour option
See P44

9
THE BIRKDALE 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**
- **Flair zinc art glass**
- **Simplicity zinc art glass**

**thorncliffe** zinc art glass

**Murano** fusion art glass

**Fleur** resin art glass

**Diamonds** overlay art glass

*Shown with grey colour option. See P44*

*Shown with purple tile option. See P44*

*Shown with blue colour option. See P44*
THE penina
COMPOSITE DOOR

white black blue green red golden oak rosewood

standard door colour options
- classic zinc art glass
- elegance zinc art glass
- simplicity zinc/brass art glass
- reflections zinc art glass

- dorchester zinc art glass
- murano fusion art glass
- roma etch art glass
- sunburst clear glass

Brass option also available

Shown with Green border option - See P44
Shown with Blue tile option - See P44

Premium colour:
- chartwell
- cotswold
- azure
THE COMPOSITE DOOR

white  black  blue  green  red  golden oak  rosewood

standard door options
decorative glass options

classic zinc art glass
elegance zinc art glass
simplicity zinc/brass art glass
dorchester zinc art glass

reflections zinc art glass
murano fusion art glass
roma etch art glass
sunburst clear glass
THE muirfield COMPOSITE DOOR

Standard door colour options:
- white
- black
- blue
- green
- red
- golden oak
- rosewood
THE troon 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

**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
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
- reflections zinc art glass

back door options

- prairie zinc art glass
- murano fusion art glass
- gridlite etch glass
- french crystal art glass

Show with Blue colour option
See P44

Show with Green tile option
See P44

Premium colour
California

chartwell
THE turnberry COMPOSITE DOOR

standard door colour options:
white  black  blue  green  red  golden oak  rosewood
THE gleneagles COMPOSITE DOOR

door colour options:
- white
- black
- blue
- green
- red
- golden oak
- rosewood
The gleneagles

Decorative glass options:

- **Reflections** zinc art glass
- **Simplicity** zinc/brass art glass
- **Prairie** zinc art glass
- **Murano** fusion art glass

*Shown with black tile option. See P44.*
THE ST ANDREWS COMPOSITE DOOR

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

Zinc option also available

Shown with green border option see P44

See P44
THE SUNNINGDALE COMPOSITE DOOR

Standard door colour options:
- White
- Black
- Blue
- Green
- Red
- Golden Oak
- Rosewood
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

Brass option also available.
THE seminole COMPOSITE DOOR

standard door colour options

- white
- black
- blue
- green
- red
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
door slab options

flush
cottage
farmhouse

glazing position options

left
centre
right
centre 2

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

- **linear** etch art glass
- **symphony** fusion art glass
- **tahoe** etch art glass
- **matrix** zinc art glass

cylinder and *glazing positions for illustration purposes only
T H E  
inox  
C O M P O S I T E  D O O R  
standard door colour options: 
white, black, blue, green, red
THE inox COMPOSITE DOOR

standard door colours

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
## Coloured and Textured Glass Options

<table>
<thead>
<tr>
<th>Cielo</th>
<th>Diamonds</th>
<th>Dorchester</th>
<th>Encanto</th>
<th>French</th>
<th>Lucero</th>
<th>Murano</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>Blue</td>
<td>Blue</td>
<td>Blue</td>
<td>Sapphire</td>
<td>Blue</td>
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<tr>
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<td>Green</td>
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<td>Emerald</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>Copper</td>
<td>Grey</td>
<td>Amber</td>
<td>Copper</td>
<td>Ruby</td>
<td>Copper</td>
<td>Red</td>
</tr>
<tr>
<td>Purple</td>
<td>White</td>
<td>Purple</td>
<td>Purple</td>
<td>Onyx</td>
<td>Purple</td>
<td>Purple</td>
</tr>
<tr>
<td>Black</td>
<td>Bevel</td>
<td></td>
<td>White</td>
<td></td>
<td>Grey</td>
<td>Black</td>
</tr>
</tbody>
</table>

*French colour options only available in Turnberry doorstyle.*
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
With our Composite Door, we offer a wide range of options for creating sidepanel and toplight options that will complement your door.

- Double composite sidepanels
- Toplight with glue-chip glass
- Full glaze sidepanel
- Midrail sidepanel
**Technical Information**

**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 subframe are bonded with an Urethane Adhesive Resin
- The door is filled with CFC-Free Polyurethane Foam density 44.5 – 45.5 kg/m³
- 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
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.