

# Composite Doors



Secured by Design



Official Police Security Initiative

Secured by design police preferred  
higher specification lock

Exceptional Lifespan

**25** year

Structural Warranty

## Enhance your home

# Specifications

1. External skins / facings are 2mm in thickness and manufactured using (SMC) sheet moulded compound, thermosetting resin, glass reinforced polymer (GRP). The thermoset process provides total stability in the skins irrespective of climate change in temperature (they will not expand or contract).

2. The skins / facings are compression moulded to provide a high definition panel design, with graining giving an authentic timber appearance.



3. The skins are then bonded to 62mm water resistant PVC composite stiles and top rail and a 30mm and 62mm PVC composite rail makes up the bottom rail thus providing trim ability of 40mm top and sides and 70mm at the bottom.

4. The door is injected with a 100% CFC-free Polyurethane foam which fills the void between the skins and provide superior thermal performance (6 times that of timber) and enhances the doors sound-proofing.

5. A 25mm engineered reinforced timber rail is then introduced directly behind the polymer rails top and bottom. In addition a 30mm x 50mm timber lock block is positioned directly behind the timber rail positioned centrally (note that at no point is any timber exposed on any side of the door even if trimmed to its maximum as a minimum of 20mm of polymer rail protects it from the elements).

6. The manufactured blanks come complete with a 25 year structural warranty and satisfy thermal test requirements of Annex D.

7. The U value of the solid door measures 0.86 W/M<sup>2</sup>K.

8. The manufactured 44.5mm door slabs are available in widths of 762mm, 838mm and 914mm and a height of 2013mm offering trim ability of a maximum of 82mm off the width and 110mm off the height.

9. The door is offered in 5 different pre-finishes white, blue, green, red and black and the skins are colour pre-pigmented. Two woodgrain painted finishes in oak and mahogany are also offered on a buff coloured skin. The internal skins and edges are always white.

10. The doors GRP skins/facings offer high impact resistance.

11. The door blanks are offered in 7 different styles to suit most choices and are compatible with a 44mm glazing cassette system.

12. A unique ABS snap fit glazing cassette system to suit 24mm hermetically sealed double glazed units is offered in 15 variations in matching colours to that of the doors featuring the same graining effects as well as mouldings to further enhance the aesthetic appearance of the door (no unsightly screw covers or plugs required).



# Hardware

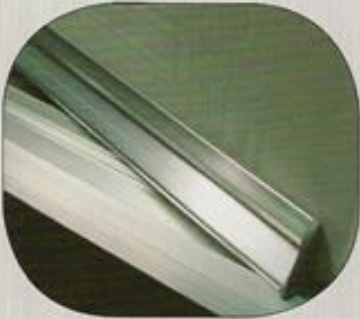


## Urn / Scroll Knocker

The Nu-Victorian Urn Knocker has been designed for composite doors and has been lifetime tested to 50,000 cycles.

## Cylinder

We use the Millenco range of cylinders, which all comply with BS EN1 303: Grade 5.



## Low Threshold

The Stormguard two piece high performance weather bar incorporates two tough EPDM rubber seals designed to provide the highest standards in weather-proofing and is fully part M compliant.

## Hinges

The Millenco 'Elevator' composite door hinge combines reduced sight lines with high levels of both height and lateral adjustment.



## Letterplates

The Nu-Mail letterplate conforms to the requirement of BS EN 13721:200 and has 180-degree flap, which ensures it won't snap off. It is fully spring loaded and has weather sealing to provide a draft free environment.

## Lock

The high security 6-point Mantis 44 door lock exceeds the latest industry standards. It is fully compliant with PAS23/24 and police backed 'Secured-by-design' consists of 2 hooks, 3 dead bolts and a latch.



# Why choose us?

The composite door range is available for both domestic and commercial applications. A wide variety of colours and designs are offered, being aesthetically pleasing and functional in terms of weather deflection.



All door options are available as a solid option.

In standard format the composite doors require no additional preparation and are ready to install immediately. Letterplates, door knockers, viewers and numbers are all available as additional options.

Our doors are manufactured with an environmentally friendly CFC-Free polyurethane foam core to which a 2mm through compression moulded Glass Reinforced Polymer (GRP) is securely bonded.

This resistant GRP skin carries a warranty of 10 years on the surface finish. Similarly all doors are backed with a 25 year guarantee against warping, cracking or twisting. This really sets these doors aside from traditional timber doors. All door furniture also comes with a 10 year manufacturer back guarantee. Please check specific details of all guarantees with your supplier as these could vary dependent on finishes chosen.

All doors are fitted with high security multi-point locks offering the latest resistant materials. All doors have been tested to the highest standards for weather tightness and enhanced security.



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# Dual Glazed

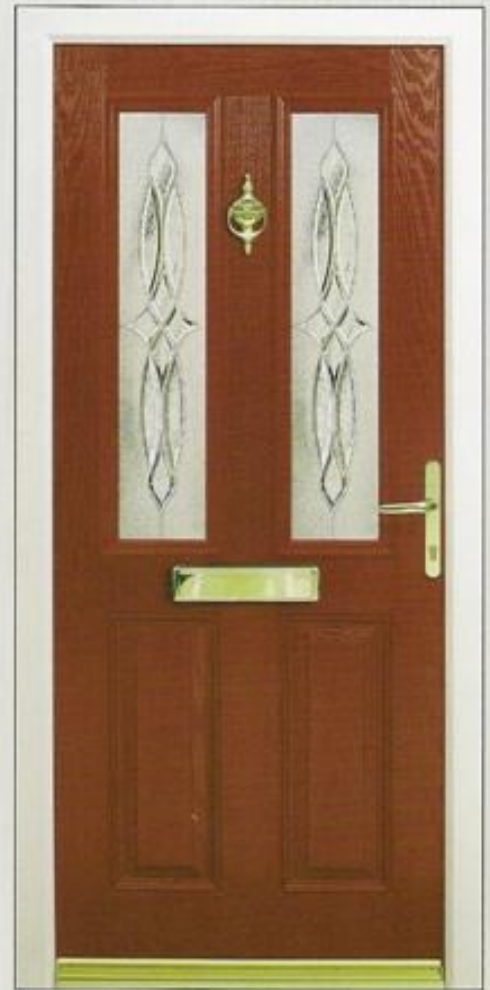
Any design of glass can be fitted to your chosen door colour



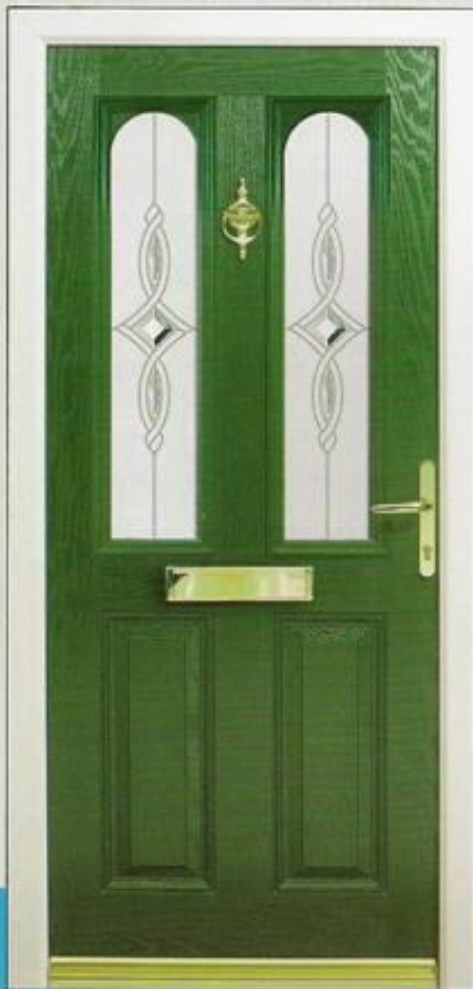
Black Dual Glazed  
(TUS 1 Glass)



Red Dual Glazed  
(ELD 1 Glass)



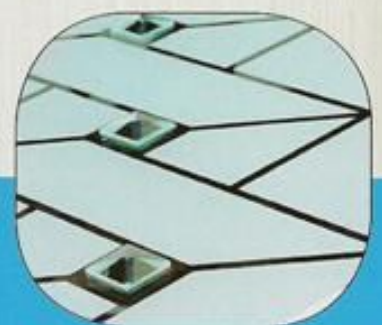
Green Dual Glazed  
(MED 1 Glass)



Light Oak Dual Glazed  
(AGA 1 Glass)



low  
maintenance





Blue Dual Glazed  
(GIB 1 Glass)



White Dual Glazed  
(GER 1 Glass)



Green Dual Glazed  
(VEN 1 Glass)



Rosewood Dual Glazed  
(CAL 1 Glass)



No painting / low maintenance.

Grained surface can easily be wiped clean with a damp cloth.



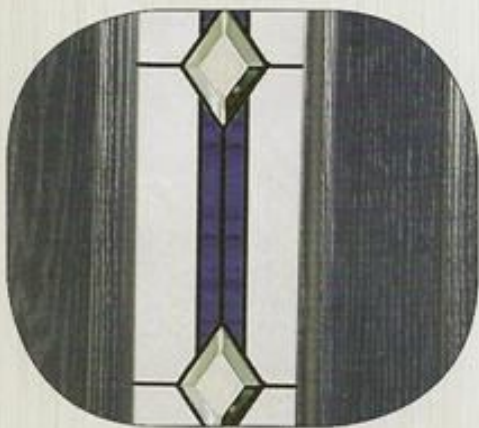
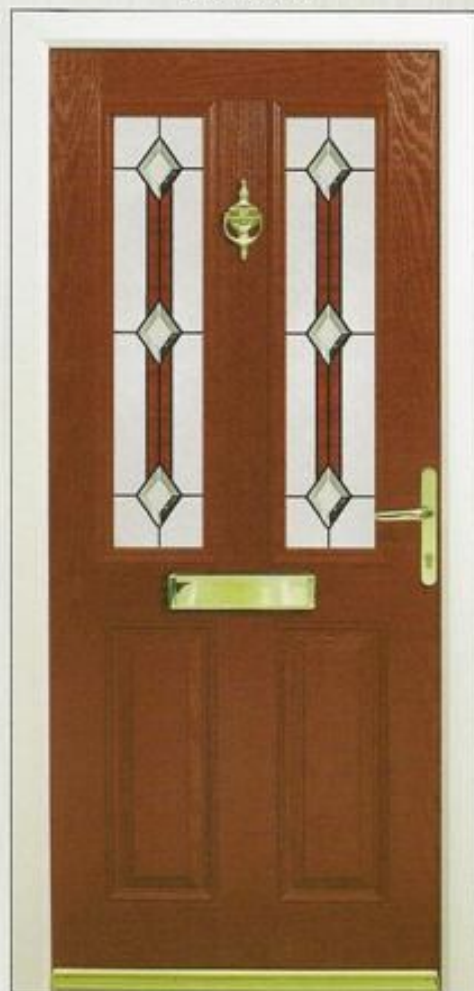
# Dual Glazed

Any design of glass can be fitted to your chosen door colour

Green Dual Glazed  
(TRA 1G Glass)



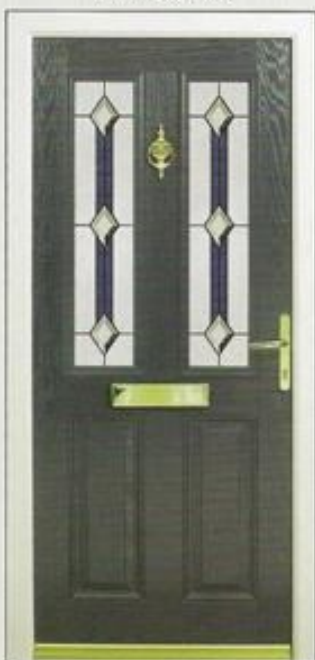
Red Dual Glazed  
(TRA 1R Glass)



White Dual Glazed  
(TRA 1 Glass)



Blue Dual Glazed  
(TRA 1B Glass)



beauty

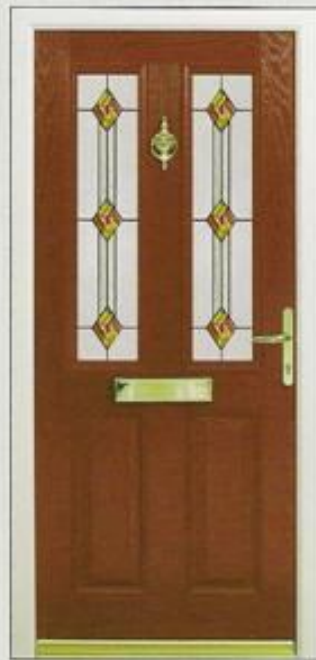




Blue Dual Glazed  
(TRA 1BT Glass)



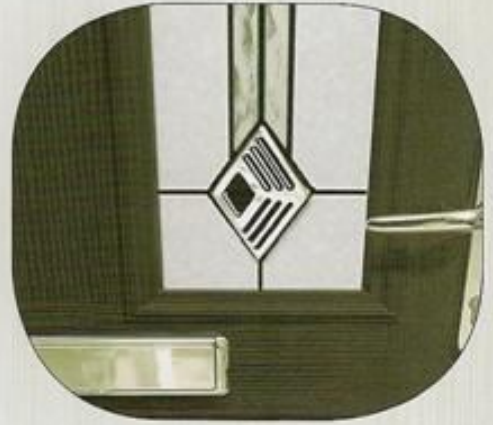
Red Dual Glazed  
(TRA 1RT Glass)



Green Dual Glazed  
(TRA 1GT Glass)



Black Dual Glazed  
(TRA 1BKT Glass)



Each of these glass designs has a flat lead effect and a sandblasted surround that is encapsulated within the insulated glass unit to protect from weathering.

Options on page seven and TRA 1 from page six also combine a Minster patterned backing glass.



# Dual Glazed

Any design of glass can be fitted to your chosen door colour

Black Dual Glazed  
(HAR 1 Glass)



Rosewood Dual Glazed  
(HAR 4 Glass)



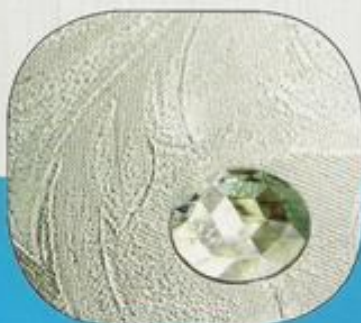
Light Oak Dual Glazed  
(HAR 3 Glass)



White Dual Glazed  
(HAR 2 Glass)



complementary





Red Dual Glazed  
(OLD 1R Glass)



Blue Dual Glazed  
(OLD 1B Glass)



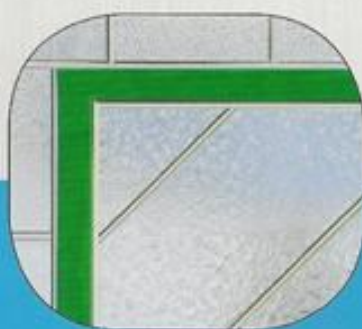
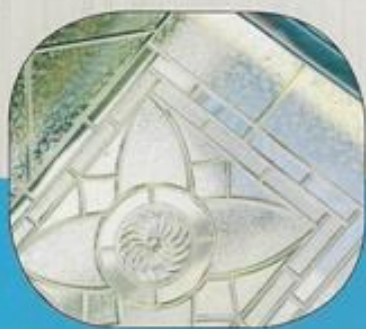
Black Dual Glazed  
(OLD 1BK Glass)



Green Dual Glazed  
(OLD 1G Glass)



A wonderful range of knocker, letterplates and handles are available to complement all door styles and provide a finishing touch of the uppermost class.



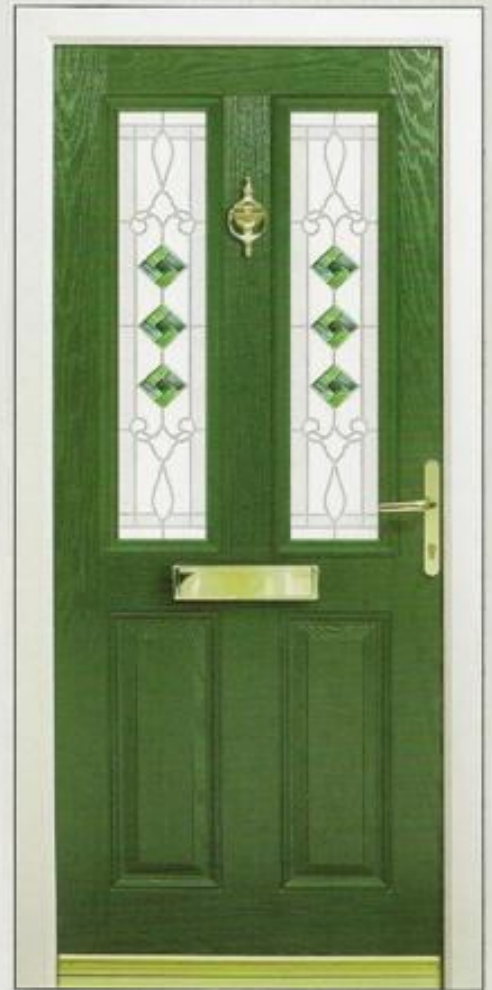
# Dual Glazed

Any design of glass can be fitted to your chosen door colour

Rosewood Dual Glazed  
(SPA 1BL Glass)



Green Dual Glazed  
(SPA 1GT Glass)



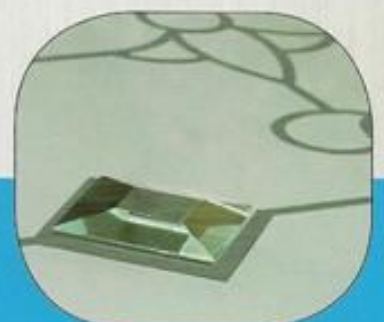
Blue Dual Glazed  
(SPA 1BT Glass)



Red Dual Glazed  
(SPA 1RT Glass)



colourful





Black Dual Glazed  
(CAL 1BKT Glass)



Green Dual Glazed  
(CAL 1GT Glass)



Blue Dual Glazed  
(CAL 1BT Glass)



Red Dual Glazed  
(CAL 1RT Glass)



An extensive range of decorative glass is available with many colour options to compliment most door styles.

Please note the coloured glass is crafted to complement and contrast with the door and should not be seen as a colour match.



# Dual Glazed

Any design of glass can be fitted to your chosen door colour

Red Dual Glazed  
(ALP 1R Glass)



Blue Dual Glazed  
(ALP 1B Glass)



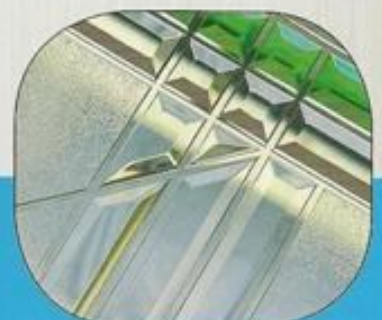
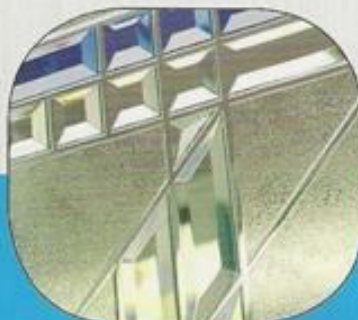
Green Dual Glazed  
(ALP 1G Glass)



White Dual Glazed  
(ALP 1 Glass)



versatile





Light Oak Dual Glazed  
(FRE 1 Glass)



White Dual Glazed  
(HER 1 Glass)



Rosewood Dual Glazed  
(SEL 1 Glass)



Black Dual Glazed  
(VEN 1RB Glass)



Our doors represent some of the greatest choice of styles and finishes available and there really is something to cater for every taste.



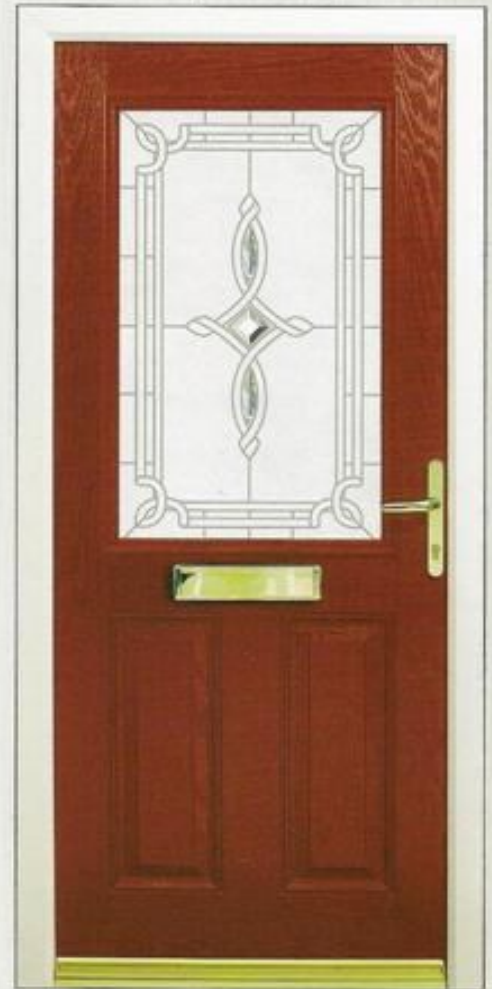
# Half Glazed

Any design of glass can be fitted to your chosen door colour

Green Half Glazed  
(CAL 2 Glass)



Red Half Glazed  
(MED 2 Glass)



Blue Half Glazed  
(GIB 2 Glass)



White Half Glazed  
(VEN 2 Glass)



security





Rosewood Half Glazed  
(ELD 2 Glass)



Blue Half Glazed  
(AGA 2 Glass)



Black Half Glazed  
(TUS 2 Glass)

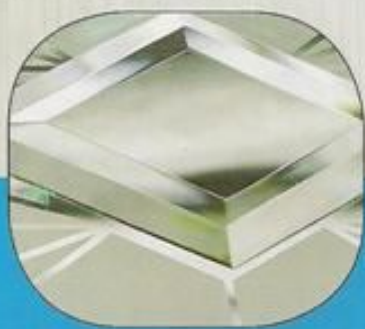


Light Oak Half Glazed  
(GER 2 Glass)



High security locks, hinges and glazing all contribute to a secure entrance.

Use of durable materials offer a strong and secure entrance.



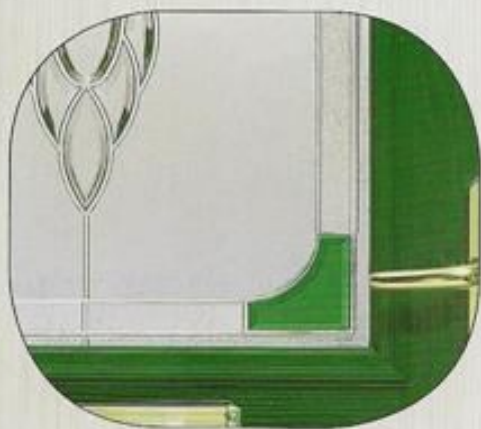
# Half Glazed

Any design of glass can be fitted to your chosen door colour

Red Half Glazed  
(NEW 1RC Glass)



Blue Half Glazed  
(NEW 1B Glass)



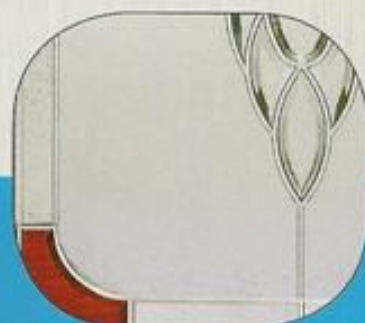
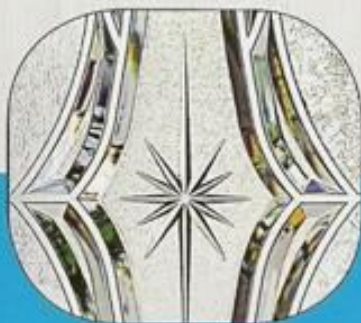
White Half Glazed  
(NEW 1G Glass)



Green Half Glazed  
(NEW 1GC Glass)



class





Green Half Glazed  
(OLD 2G Glass)



Red Half Glazed  
(OLD 2R Glass)



Blue Half Glazed  
(OLD 2B Glass)

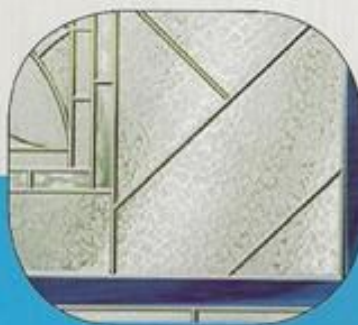


Black Half Glazed  
(OLD 2BK Glass)



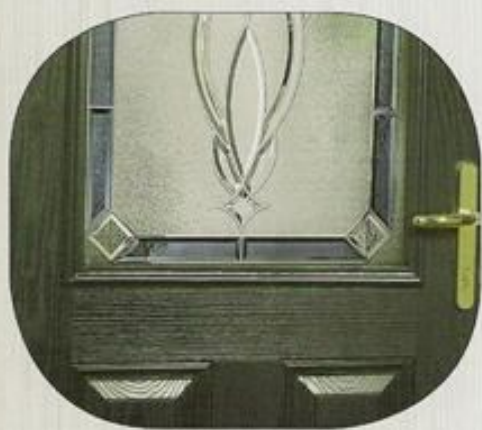
Ornate bevel clusters feature in many of our glass designs creating an entrance of supreme luxury.

These stunning designs refract light with a stunning and dramatic effect.



# Half Glazed

Any design of glass can be fitted to your chosen door colour



White Half Glazed  
(NEW 1R Glass)



Blue Half Glazed  
(NEW 2B Glass)



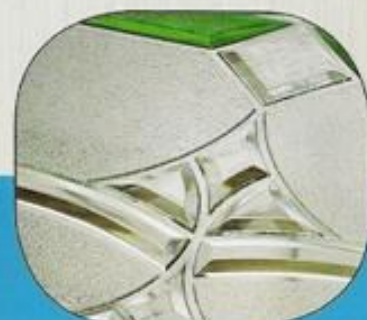
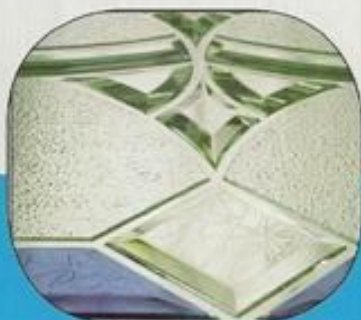
Green Half Glazed  
(NEW 2G Glass)



Red Half Glazed  
(NEW 2R Glass)



defined





White Half Glazed  
(ALP 2 Glass)



Red Half Glazed  
(ALP 2R Glass)



Green Half Glazed  
(ALP 2G Glass)



Blue Half Glazed  
(ALP 2B Glass)



Each door has been finished to exacting standards and carries superb definition both to the grain effect and the grooved moulded feature panels.



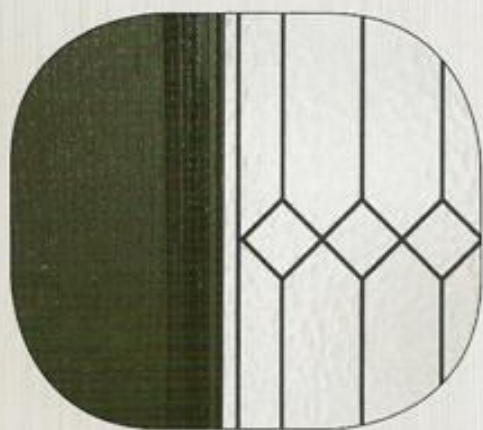
# Half Glazed

Any design of glass can be fitted to your chosen door colour

Black Half Glazed  
(HER 2 Glass\*\*)



White Half Glazed  
(SPA 2BL Glass)



Light Oak Half Glazed  
(FRE 2 Glass)



Rosewood Half Glazed  
(SEL 2 Glass)



light





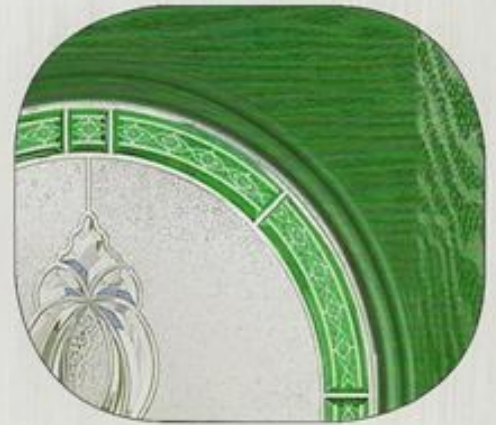
Any design of glass can be fitted to your chosen door colour

# Half Glazed Arch Top

Red Half Arch Glazed  
(NEW 3R Glass)



Blue Half Arch Glazed  
(NEW 3B Glass)



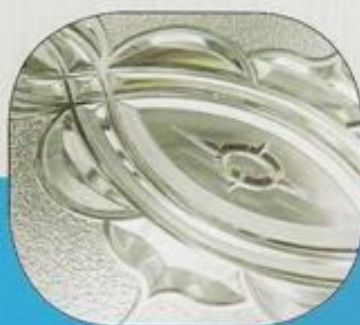
Green Half Arch Glazed  
(NEW 3G Glass)



Black Half Arch Glazed  
(NEW 3BK Glass)



These half glazed designs have been designed with a very large glass aperture that allows light to flood into even the darkest of hallways.





# Half Glazed Arch Top

Any design of glass can be fitted to your chosen door colour

Blue Half Arch Glazed  
(CAL 3BBL Glass)



Rosewood Half Arch Glazed  
(MAG 3 Glass)



Green Half Arch Glazed  
(CAL 3GBL Glass)



White Half Arch Glazed  
(TUS 3G Glass)



finishing  
touches





White Half Arch Glazed  
(CAL 3 Glass)



Green Half Arch Glazed  
(MED 3 Glass)



Light Oak Half Arch Glazed  
(GER 3 Glass)



Red Half Arch Glazed  
(TUS 3 Glass)



Choose from our vast range of decorative glazing options designed to complement any style of home.

Choice of door furniture available in Chrome, Gold, White and Black. Please ask your supplier for further details.



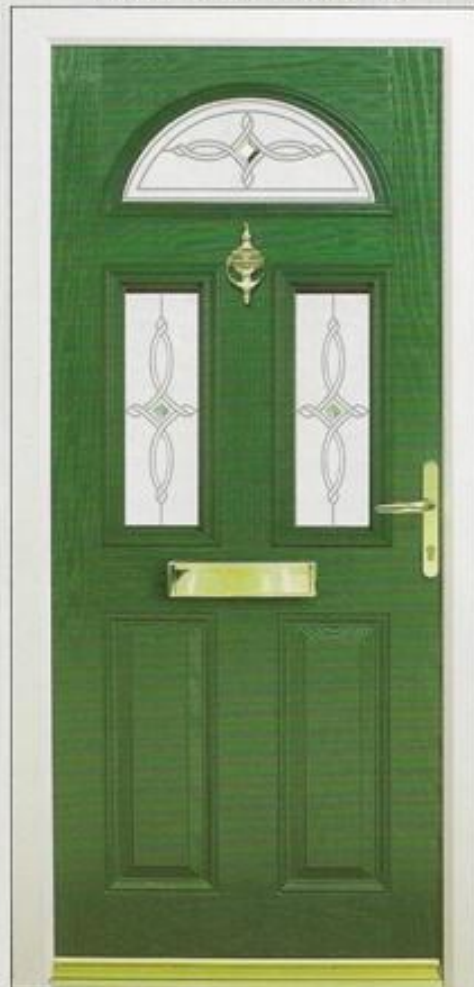
# Half Moon with Mid Panels

Any design of glass can be fitted to your chosen door colour

Red Half Moon with Mid Panels  
(CAL 4 Top & CAL 5 Mid Glass)



Green Half Moon with Mid Panels  
(MED 4G Top & MED 6G Mid Glass)



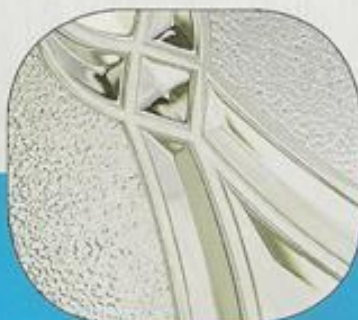
White Half Moon with Mid Panels  
(GER 4 Top & GER 8 Mid Glass)



Rosewood Half Moon with Mid Panels  
(VEN 3 Top & VEN 4 Mid Glass)



strength





Black Half Moon with Mid Panels  
(MED 4 Top & MED 6 Mid Glass)



Light Oak Half Moon with Mid Panels  
(GIB 3 Top & GIB 4 Mid Glass)



Red Half Moon with Mid Panels  
(AGA 3 Top & AGA 4 Mid Glass)

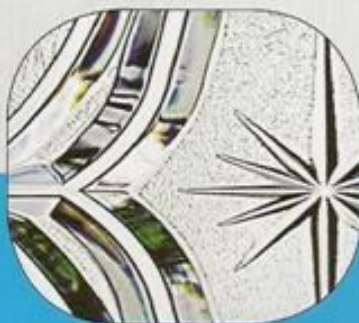
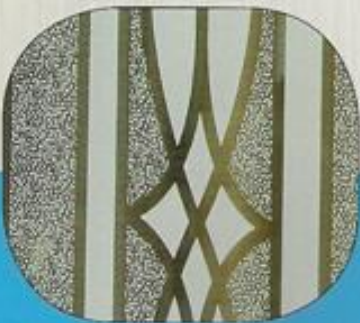


Blue Half Moon with Mid Panels  
(ELD 3 Top & ELD 4 Mid Glass)



Composite doors are typically stronger than most other doors offering a high resistance to warping and twisting.

All doors meet vigorous testing standards.



# Half Moon

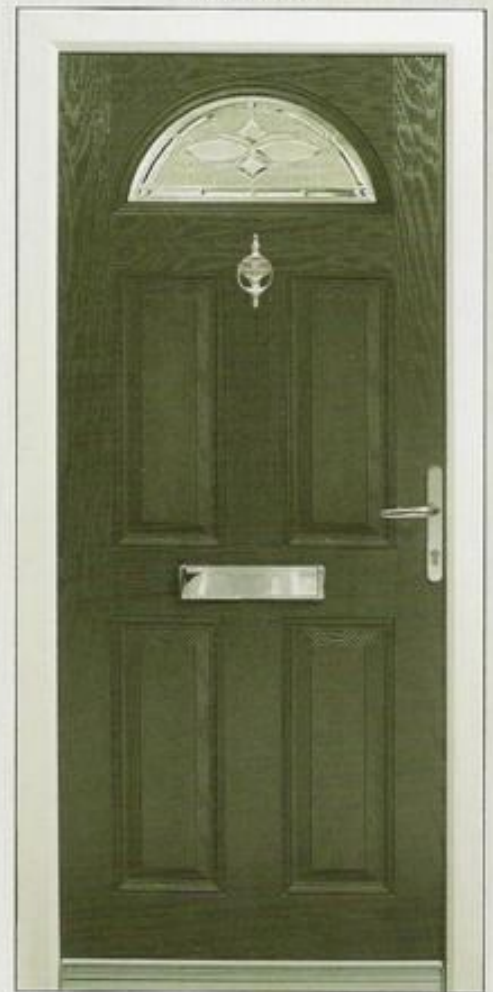
Any design of glass can be fitted to your chosen door colour



White Half Moon Glazed  
(AGA 3 Glass)



Black Half Moon Glazed  
(GIB 3 Glass)



Red Half Moon Glazed  
(Sunburst)



Light Oak Half Moon Glazed  
(TUS 4 Glass)

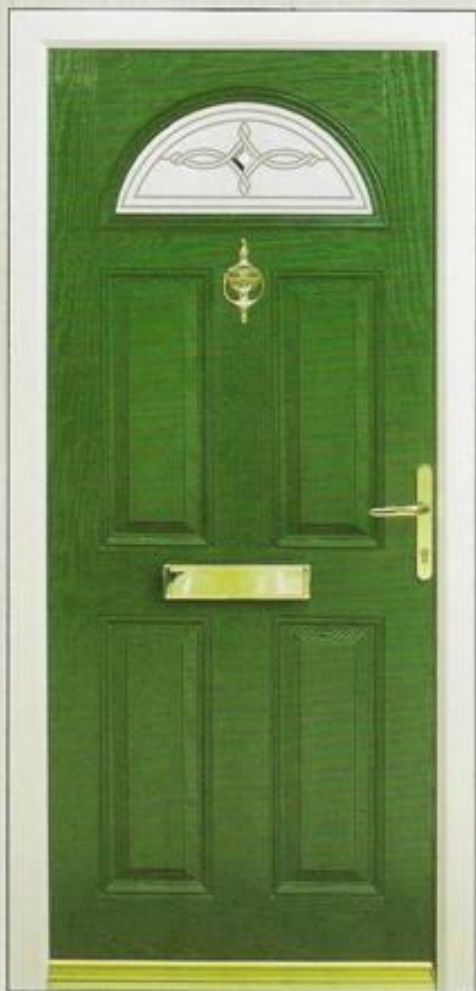


energy  
efficient

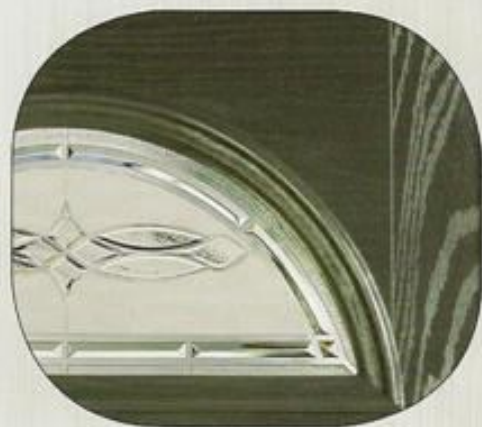




Green Half Moon Glazed  
(MED 4 Glass)



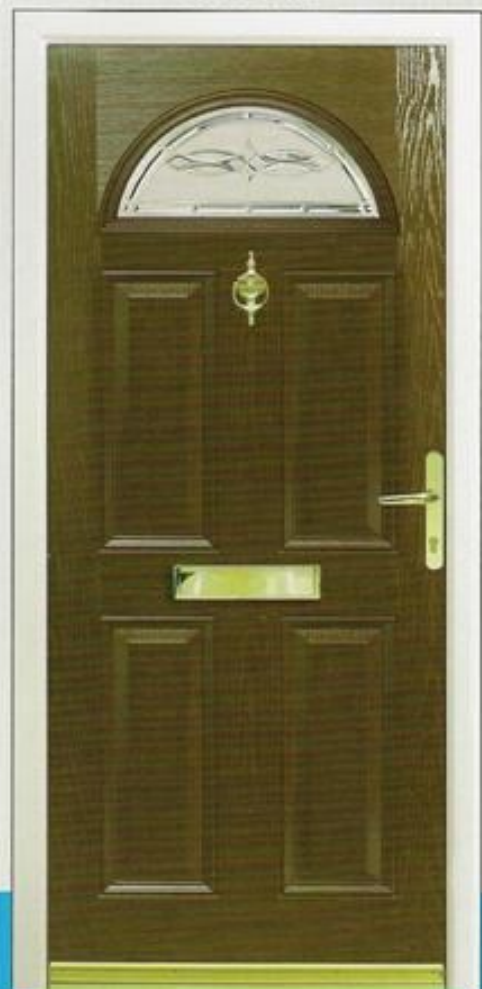
White Half Moon Glazed  
(CAL 4 Glass)



Blue Half Moon Glazed  
(GER 4 Glass)



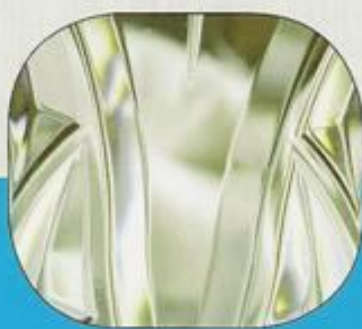
Rosewood Half Moon Glazed  
(ELD 3 Glass)



Composite Doors are commonly more energy efficient than traditional timber doors.

Other benefits include:

- High levels of resistance to extremes of weather
- A unique core design that greatly aids thermal and sound insulation.



# Half Moon

Any design of glass can be fitted to your chosen door colour



Red Half Moon Glazed  
(FRE 4 Glass)



Green Half Moon Glazed  
(HER 3 Glass\*\*)



Light Oak Half Moon Glazed  
(CLA 4 Glass)



White Half Moon Glazed  
(SPA 4BT Glass)



quality

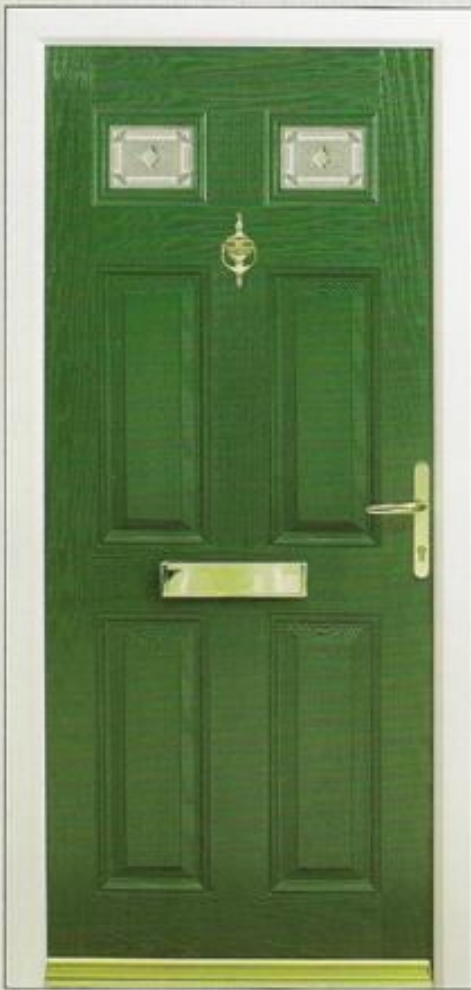




Any design of glass can be fitted to your chosen door colour

# Twin Tops

Green Twin Top  
(GIB 7 Glass)



Black Twin Top  
(MED 7 Glass)



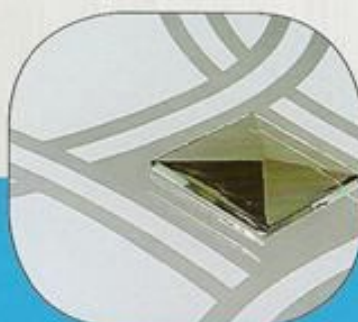
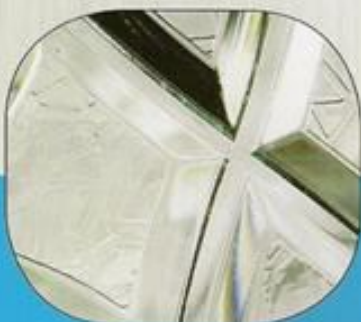
Blue Twin Top  
(GER 7 Glass)



Light Oak Half Moon Glazed  
(ELD 3 Glass)



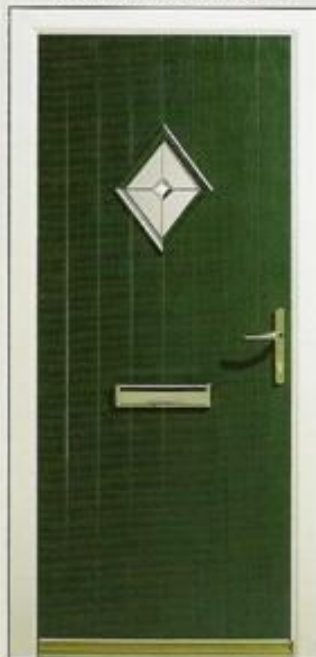
Each door is carefully assembled by a company that is recognised for its advanced technical ability. They are therefore of premium quality and finish.



# Additional Door Styles

Any design of glass can be fitted to your chosen door colour

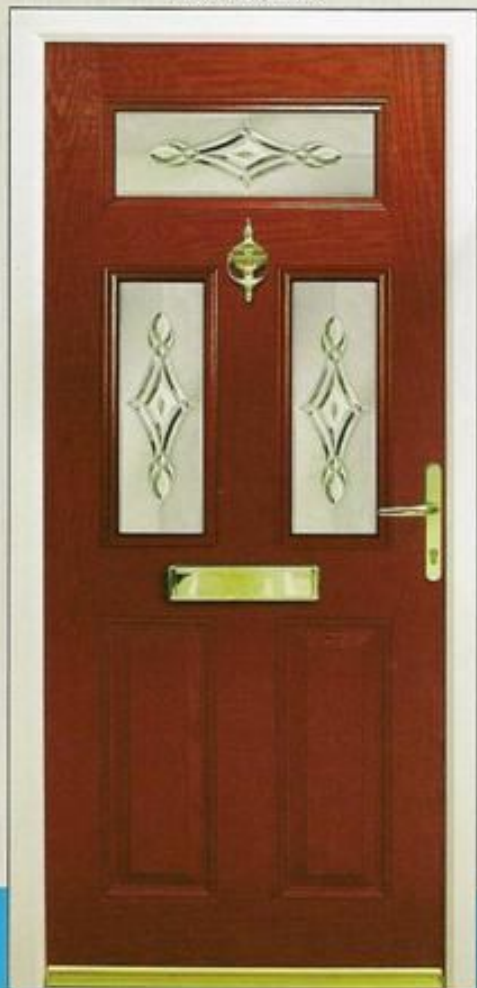
9Y Diamond Panel  
(Diamond Bevel Glass\*\*)



Blue 9Y Modern  
(GIB 7 Glass)



Red Rectangular Top & Mids  
(VEN 4 Glass x3)



Light Oak 9M Centre Panel  
(MED 8 Glass)



Style

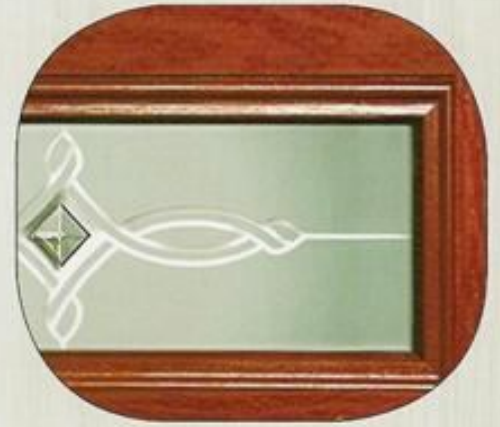




White 9M Centre Panel  
(DB 8 Glass)



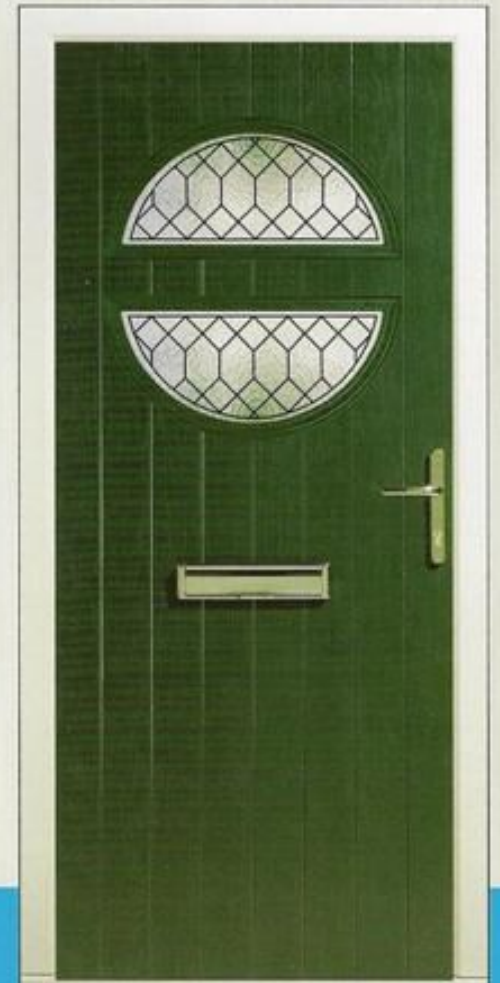
Blue 7K Centre Panel  
(GER 6 Glass)



Red Rectangular Top  
(MED 6 Glass)

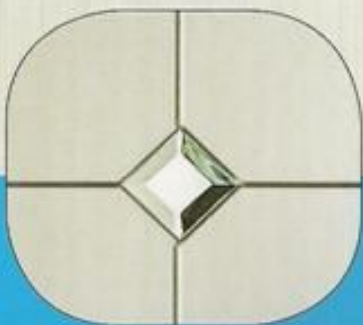


Green 9Y Full Moon  
(HER 3 Glass x2\*\*)



We have a comprehensive range of door styles to choose from in a wide assortment of colours.

With such a selection to choose from you are sure to find the right door to suit your home.



# Door Combinations

Any design of glass can be fitted to your chosen door colour

Rosewood Half Glazed with Side Screens  
(MED 1 / MED 2 / MED 1 Glass)



We offer a wide variety of door combinations as illustrated below, which can then be complemented with one of our beautiful glass designs.

All sidepanels and toplights are unglazed and all sidepanels include reinforced coupler. No's 3, 4, 7 & 9 can include matching panels.

Please check the specifications in terms of door size prior to confirming your composite door combination.

## Foiled Frames

All door styles are available with a choice of either white or coloured foiled frames. Foil finish frames provide a colour match to the door finish of your choice.

When using certain combinations there will be restrictions upon the basis of fitting sizes and it is recommended that these are carefully checked before hand. Please see our specification information on page 34 and also double check with your supplier.

## Available Combinations



Top Light



Side Screen



Side Screen



Side Screen / Mid Rail



Side Screen / Mid Rail



Black Half Glazed with Side Screen  
(HER 2\*\* / Minster Glass)



Green Half Glazed with Side Screen / Mid Rail  
(HER 1\*\* / Minster Glass)



Side Screens



Side Screens / Mid Rail



Side Screens / Top Light



Side Screens / Mid Rail /  
Top Light

Precise measurements are required for number 10 combination.



**KWS Choices  
Derby Road  
Burton upon Trent  
DE14 1RS**

**01283 510200**

**[www.kwschoices.co.uk](http://www.kwschoices.co.uk)**