

## INTELLIGENT TIMBER INSIDE®

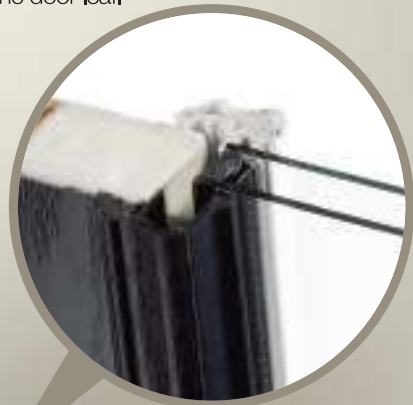
The core is massively strengthened to resist attack by a strategically positioned 15mm thick LVL timber sheet. Unlike solid timber doors this is intelligently encased and positioned within the heat retaining foam core, yet uniquely protected from the elements and potential for damage from water ingress.

This enables the Ultimate Collection to pass the latest stringent PAS24:2016 testing, which includes a variety of break-in techniques including 'cut-through' with chisels and knives.



### TriSys Patented 3 Part Glazing System

The market leading Trsys glazing system also offers security and unique advantages. Secured from the inside, the screws are rendered invisible by the tri-part cover that matches the external detail. This provides maximum security and styling whilst also providing simple replacement of broken or failed glass units with no damage to the door leaf.



### What is Part Q?



**PART Q**  
APPROVED

The Ultimate Collection of doors feature enhanced security upgrades to meet both the governments Approved Document Q\* specifications and also the latest PAS24:2016 test standards not only for individual products but also our whole door sets.

In going far beyond current standards requirements for replacement doors, the Ultimate Range has been developed to give you absolute peace of mind that your new door has been manufactured to not only exacting standards but also delivers the highest levels of security.

\*Approved Document Q is now a mandatory standard for security in all new build applications.



# Locking Options

The Ultimate Collection features several lock options to suit your door or lifestyle. Technically superior and manufactured by the best in the industry, our lock partners products are two of the best in the world. Both carry the Police's Secured by Design accreditation as well as the most advanced features available today.

## Ingenious Door Lock

Our Ingenious door lock features 4 opposing 'pincer' action hook sets, a centre hook deadbolt and a sprung latch. Manufactured from stainless steel, its construction is thoroughly tested to last a lifetime. The door lock itself has PAS24:2016 accreditation, but to meet that standard on the whole door, you would need to upgrade with a couple of our other security products. See our guide on page 38 to find out how.



## Winkhaus Autolock

Our 'Autolock' option is an exceptional new development in lock design. Designed with the user in mind, it is immensely strong and so easy to use you don't even have to think about it!

Each of the top and bottom hook units is activated by the latch adjacent to it. Simply shutting a door with Autolock engages the hooks firmly into place with no need for you to lift the handle for engagement.

On conventional action locks, including the standard Ingenious option, lifting the handle to engage the locks is essential for the maintenance of the doors integrity as closing the door on the latch alone compresses the door in one place - the middle. Over time this will distort the door.

Autolock removes this need and whilst the key still needs to be turned to fully deadlock the door, locks are set in place.

Opening is achieved simply by turning the key to un-deadlock and then a quarter turn of the key releases the hooks and latch.

## Winkhaus Heritage Autolock

The 'Heritage' version of Autolock is an upgrade with a particular function. Used on our contemporary range of doors where bar handles, cylinder pulls or escutcheons are used instead of standard door handles, the Heritage Autolock positions the locking cylinder at a more traditional eye-level.



As an additional benefit, because of the absence of a lever handle, a door fitted with a Heritage Autolock prevents 'follow-in' as once the hooks automatically engage, access can only be made by a second person by a quarter turn of the key to release the hooks.



# Cylinder Options

## Standard Cylinders

Cylinders offer varying levels of security. Our 6-pin anti-drill/pick cylinder is one of the UK's biggest selling products and features protection to deter most amateur intruders.



## 'Keyed Alike' Cylinders

Any of our cylinders can be 'keyed alike' to another. So if you are replacing two doors and want to keep your key ring to a minimum by specifying keyed alike, for a small charge, one set of keys will lock 2 or more doors.



## Our Ingenious Security Cylinder is Aptly Named

The Ingenious cylinder is aptly named being an independently tested and fully accredited 3 star security product with British Standard Institute TS007 accreditation. Capable of withstanding a variety of attack methods, this cylinder will deter the most determined burglars.



## Thumb-Turn Cylinders



The use of a thumb turn cylinder on your door makes life a whole lot easier!

No key is needed to lock the door from the inside and so as well as convenience you have safety built-in in the event of a fire. NHBC recommendations include the use of thumb turns on all new build houses.

Thumb-turn versions of our cylinders are available to choose and the same security upgrades also apply. Our high security Ingenious cylinder is available as Thumb-turn in both brass and nickel finish to suit your hardware choice.

An Ultimate Collection door is the ideal choice if you like the convenience of a thumb turn lock. The Ultimate Collection door leaf has proven protection against cut-through (see page 31).



# Letter Plate Options

## Our Ultimate letter plates are of the highest quality.

With an exact colour match suited to your door handle and other furniture, these stainless steel based letter plates are robust in construction and will resist just about anything the Postie or the Paperboy shove through them!



## Hinges

### Bolt and braces for highest security.

Our range of door hinge colours can complement our handles and letter

plates, although the most common choice is white on open-in doors. For Ultimate security we offer the option of steel dog bolts and keeps to the top and bottom hinges. These are specially designed to fix through the door hinge and when closed locate into a steel keep mounted on the door frame. The result is a traditional but outstandingly strong combination.



## Our Ultimate Security letter plate goes even further...



In order to prevent thieves from reaching in or 'fishing' through letter plates, our Ultimate Security upgrade does the job perfectly. Tested to the latest and toughest British Standard TS008,

it is specified as an NHBC requirement for new build properties.

In order to meet the latest overall door British Standard PAS24:2016, a TS008 accredited letter plate is required,

## What is TS008?

### Why is there a security standard for letter plates?

Your letter plate is an opening into your property. As such to enterprising thieves it can present an opportunity to reach in and gain access. The new BSI test standard TS008 is aimed at protecting homeowners against this. The most common vulnerability is where a thumb turn cylinder is fitted and burglars reach through using tools to operate the cylinder. Fishing for keys or other valuables is also a possibility.



For new build properties, NHBC recommend the use of thumb turn cylinders to enable fast escape in the event of a fire. Fire egress is an important consideration and one you might consider important for the safety of your family.



The new BS1 test standard TS007 is aimed at protecting cylinder locks against all known methods of forced entry, including picking, drilling, bumping and snapping, and sets out to provide a way to upgrade the cylinder security of your front and back doors. For absolute clarity; the cylinder is the metal component that you put your key in,

## Picking and Drilling

Our standard 6 pin cylinders feature components which prevent picking and drilling with standard equipment. A hardened steel pin on both sides of the cylinder means that drilling even with a high quality drill, would take considerable time, 6 pins and tumblers mean that there are many thousands of key differs to ensure that each cylinder is unique and almost impossible to pick.

## Bumping

Our 3\* cylinders have complete protection against bumping when independently tested to TS007. This method of attack is relatively new and still very rare. It involves using a crafted "neutral" key which is close to the pin and tumbler set up of the cylinder. Necessarily it also involves a lot of luck and skill by the burglar to effect entry.

## Snapping

Our 3\* cylinders have complete protection against snapping when independently tested to TS007, Snapping cylinders has become a more widespread issue and there has been a lot of development in cylinder technology to overcome the problem, Some of the earliest products to meet the standard have since been defeated as the standard itself has developed and become harder to beat, Our 3\* solution is one of the most secure and goes way beyond the UK standard to meet even tougher regulations,

## Testing

Testing for our locks is done independently at UKAS accredited test centres. Suppliers components are independently tested too, but we test our doors as a 'whole product', earning the stamp for PAS24:2016 accreditation for the door set, not just its component parts.



BSI Group, also known as the British Standards Institution, is the national standards body of the United Kingdom. The BSI is the business standards company that equips businesses with the necessary solutions to turn standards of best practice into habits of excellence.

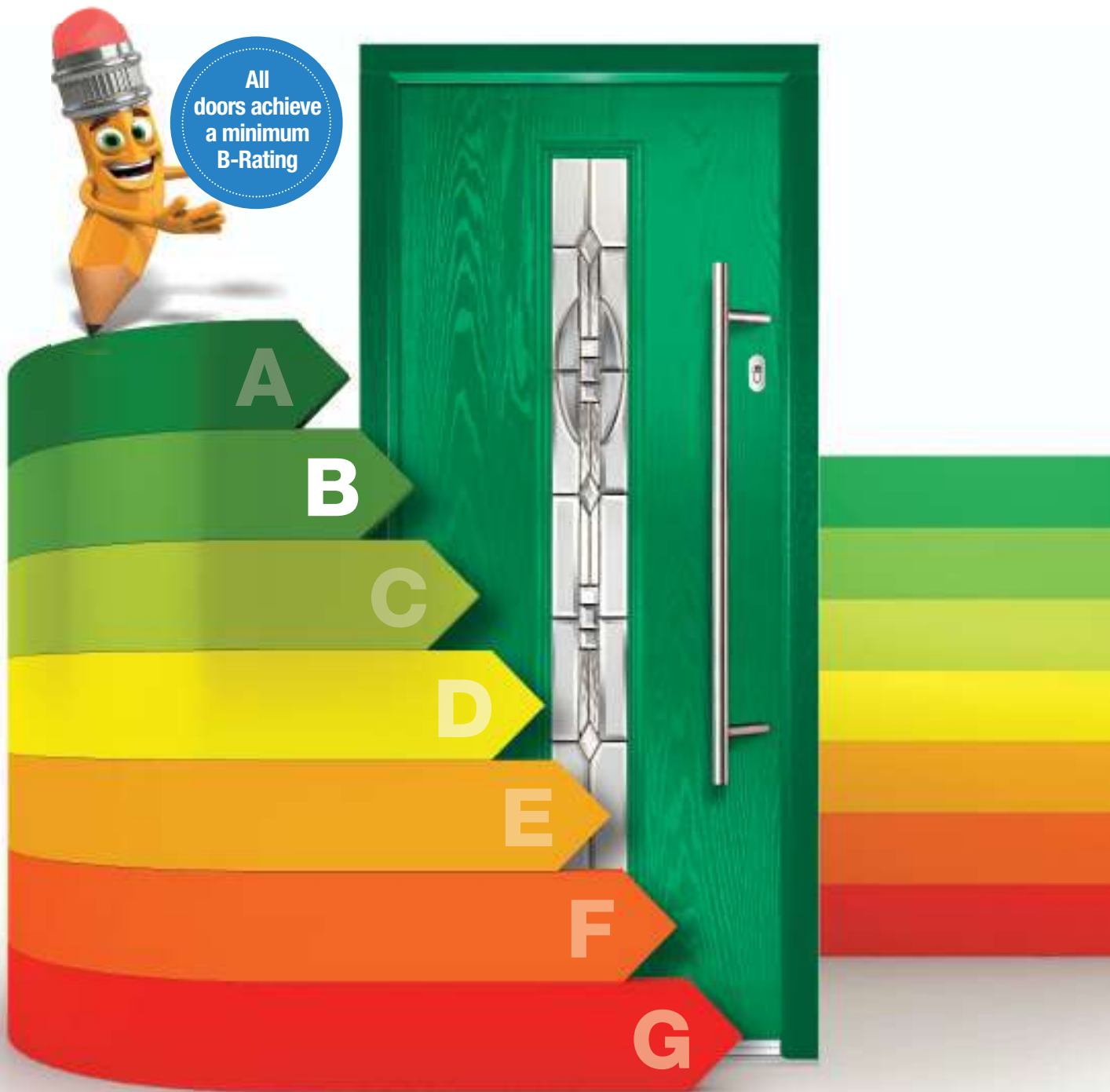
Formed in 1901, BSI was the world's first National Standards Body and over a century later is globally recognized as champions of best practice. BSI is responsible for originating many of the world's most commonly used management systems and standards and publishes over 2,700 standards annually.

BSI's standards are underpinned by a collaborative and rigorous approach honed over decades; working with industry experts, government bodies, trade associations, businesses of all sizes and consumers to develop the standards for excellence.



NHBC is the leading warranty and insurance provider and standards setter for UK house-building for new and newly converted homes. In 2011 they marked their 75th anniversary, celebrating three quarters of a century of raising standards in UK house-building to protect homeowners.

## Thermal Performance



An Ultimate Collection door is more energy efficient than either a traditional door, a PVC panelled door, or a solid timber composite door. Quite simply our Ultimate Collection doors outperform all of these alternatives, old and modern, as our state-of-the-art core design creates doors which are stronger, more secure and more energy efficient.

Ultimate Collection doors exceed the requirements of current Building Regulations for both U values and Energy Ratings.

And Our Intelligent Timber Inside® technology means unlike solid timber doors an Ultimate Collection door will not, split warp or crack.



**UltimateStainless**

**tough enough**  
to deal with the most  
extreme elements



**25 year door furniture  
surface finish guarantee**

We provide a 25 year surface finish and mechanical  
guarantee on our Ultimate door furniture

Our products are made from high quality materials and are  
designed to last for many years. We guarantee the surface finish  
of our products for 25 years. This guarantee is valid for all  
products made from stainless steel.



## Upgrades Overview

In every product, the Ultimate range beats the industry standards for aesthetics, longevity, thermal performance and security. But if you have a particular wish for Ultimate security our upgrades have successfully passed the most stringent security tests to meet PAS24:2016 and Document Q requirements for building regulations.

And if you just want functionality from our Auto Lock or Heritage Auto Lock then we can tailor that to your door choice too. The guide below shows a summary of the options and what they can mean for you. Feel free to mix and match products as you wish:



### Standard Options

#### Standard Door Colour

White, Red, Green, Blue, Black, Oak, Rosewood

☐

#### Standard Frame Finish

White, Oak, Rosewood

☐

#### \* Ingenious Door Lock

High security standard composite door lock

☐

#### 6-Pin Anti-Drill/Pick Door Cylinder

Standard security door cylinder

☐

#### Thumb Turn Cylinder

Thumb turn standard security cylinder

☐

### Upgrade Options

#### Custom Door Paint Finish

Choose from our extensive colour palette

☐

#### Custom Frame Paint Finish

Choose from our extensive colour palette

☐

#### \* Winkhaus 'Auto Lock' Door Lock

Keeps your door in great shape - automatically

☐

#### \* Winkhaus 'Heritage Auto Lock' Door Lock

For contemporary tastes - with automatic lock

☐

#### \* 3\* Security Door Cylinder

The highest security 'anti-snap' technology

☐

#### \* 3\* Security Thumb Turn Cylinder

Thumb turn version of high security cylinder

☐

#### \* Door Hinge Dog Bolts

Bolt and braces for your hinges

☐

#### \* Security TS008 Letter Plate Cowl

Recommended when using a thumb turn cylinder. Secures letter plates against 'fishing'.

☐

Items pre-fixed with \* are required if you want your door to meet the security requirements of PAS24:2016 and the new Building Regulations 'Approved Document Q'.



## Care and Maintenance

### Caring For Your New Composite Door

You have chosen a high quality GRP Composite Door that is incredibly durable and easy to maintain. Regular cleaning will ensure it always looks its best. Here is how to care for each part of your new door:

**1. Glass:** Clean with glass cleaning liquid or warm soapy water and a soft cloth or sponge. Avoid abrasive pads and solvents.

**2. Frames and Panels:** These can be easily cleaned with warm soapy water and a soft cloth or sponge. Do not use abrasive pads or solvents as these may scratch or damage the surface.

**3. Locks, Hinges and Hardware:** Hardware can be cleaned with mild soapy water and a soft cloth. Avoid abrasive pads, solvents or strong polish as they may scratch or damage the hardware. For a smooth opening, lightly oil or lubricate moving parts once or twice a year.

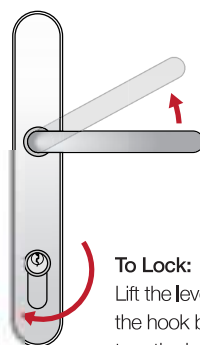
**Note:** Composite doors are structurally sound and will not bow as a result of any water ingress. However, in order to maintain the door and prevent your door from bowing throughout its long life, the hook locks should always be engaged in their keeps when the door is closed. Failure to engage the locks and close the door on the centre latch only can induce a bow over time. Failure to engage the hooks will therefore invalidate the guarantee against bowing.

### Locking & Unlocking Your Composite Door

**1. Locking the Door:** Close the door and lift the lever upward. This action will project the compression bolts and hooks into their respective keeps. Rotate the key one revolution. The door is now fully weathered and secure.

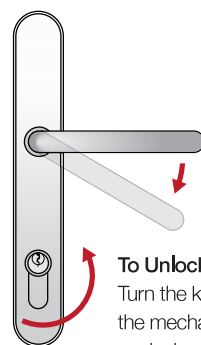
**2. Unlocking Lever / Lever Handle Door:** Insert the key in the cylinder and rotate one revolution. Next, push the lever down to fully retract the compression hooks and bolts, the latch will automatically retract when the lever is depressed. The procedure is the same for internal and external operation.

**3. Unlocking Lever / Lever Off-Set Handle Door:** To unlock the door from inside when a lever / lever offset handle is fitted; simply follow the procedure as in point 2 above. To unlock the door from outside, insert the key and rotate, this will unlock the gearing. Depress the lever, which will withdraw the compression bolts and hooks, the latch will not operate at this point. To gain access, simply turn the key again in the same direction as to unlock the gearing, the latch will remain withdrawn whilst you hold the key in the rotated position.



#### To Lock:

Lift the lever to engage the hook bolts, then turn the key to deadlock the door.



#### To Unlock:

Turn the key to unlock the mechanism, then push down on the lever to release the hook locks.

**Optimum Security:** Optimum security can only be achieved when both compression bolts and hooks are engaged in their respective keeps and the gearing is deadlocked with the key. Closing the door when using the lever / offset lever handle will provide an instant security benefit but this does not constitute high security locking of the system. To ensure the total benefits of the locking system are employed, follow the operation instructions set out opposite.

### Stable Door Operation

The below instructions are for stable doors only.

The top half of a stable door operates in the same way as a standard door. However, the cylinder is fitted to both the top and bottom door as a thumb-turn so there is no key. The top and bottom doors are connected with a rack bolt. This has a thumb-turn operation that is turned through two revolutions to lock and two opposite revolutions to release. When locking the top and bottom doors together it is necessary to hold them both firm against the centre seals so that the rack bolt and keep line up.





THE  
**Ultimate**  
collection **COMPOSITE DOORS**