technical information

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CONSTRUCTION

Every Safeguard composite door is manufactured to the highest of standards to ensure it is strong, durable and secure. We have sold tens of thousands of doors to date, evidence of the quality and exacting specification we demand.

The door has a perimeter sub-frame of a solid, water resistant polymer material, which is reinforced with Laminated Veneered Lumber (LVL). A thermoset GRP skin is bonded to the sub-frame and the core of the door is then filled with high density, 100% CFC-free polyurethane foam. Finally, water resistant polymer composite rails protect the core from damage or water absorption.

The door's core is what makes it so thermally efficient and so good at reducing sound. In fact, as you can see from the images on page 8, it is the most thermally efficient door on the market, increasing your home's energy efficiency and saving you money on your energy bills.

The high impact resistant thermoset GRP skin not only keeps your door looking good, it will not expand and contract laterally so your door will not crack or delaminate. All standard solid colours are pre-pigmented and beautifully through coloured. All other colours are overgrayed with a durable paint that will not peel or crack.

TECHNICAL FIGURES

A Safeguard composite door has a wealth of facts and figures that prove its quality. The door:

- achieves BS 6375-1 for weather tightness, air, wind and water
- PAS24: 2016 Enhanced Security Standard, a prerequisite for achieving Secured by Design status
- reduces outdoor noise by an average of 31dB
- achieves Global Warming Potential (GWP) score of less than 5 and Ozone Depletion Potential (ODP) score of zero
- meets UK Building Regulations U value requirements of 1.6 W/M2K

In other words, everything about a Safeguard composite door has been designed to enhance your home for years to come.

CARE AND MAINTENANCE

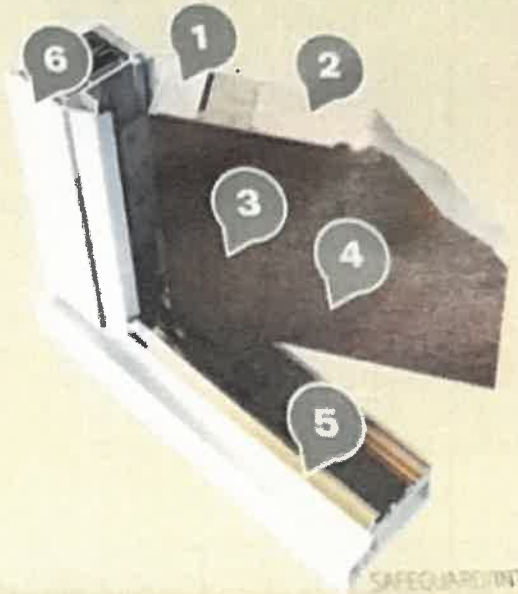
Your Safeguard composite door has been designed to be easy to maintain. To keep your door clean, prolong the life of the surface finish and protect your warranty, we recommend you wash it regularly using warm soapy water (washing up liquid is ideal) and a soft, lint-free cloth. If you live in a coastal area, in a heavily industrialised area or near a main road, you may need to clean your door more frequently. Some surface colours will degrade over time due to exposure to UV.

It is important that you DO NOT use any of the following on your door, as they may damage the surface finish.

- abrasive cleaners or scouring pads
- any type of bleach or solvent (e.g. white spirit, methylated spirit, cellulose thinners, acetone or nail varnish remover)
- any type of adhesives or tack for providing temporary protection or fixing of seasonal or other decorations etc.
- high pressure or steam cleaners

what makes our doors the best

1. water resistant ploymer stiles and rails
2. [illegible] timber
3. high density [illegible] foam core
4. [illegible] GRP skins
5. [illegible] threshold with twin seals
6. PVC-U frame



fitted as standard

BURGLAR-PROOF YOUR DOORS

74% of intruders go through the door

43% get through the door by forcing the lock

How locks are forced

- Lock Drilling
- Lock Bumping
- Lock Snapping
- Lock Picking

9/10 of forced locks are snapped

Millions of doors in the UK can be opened quietly in under 20 seconds with normal tools.

Even the most secure multi-point hook mechanisms are disabled when the cylinder lock is snapped or bumped.

To guard against this all SafeGuard Composite doors are now fitted with the ultion locking cylinder as standard. The ultion lock has been designed to offer the ultimate defence against this and other well known cylinder lock attacks.

ULTION

When the Ultion lock detects an attack, it goes into

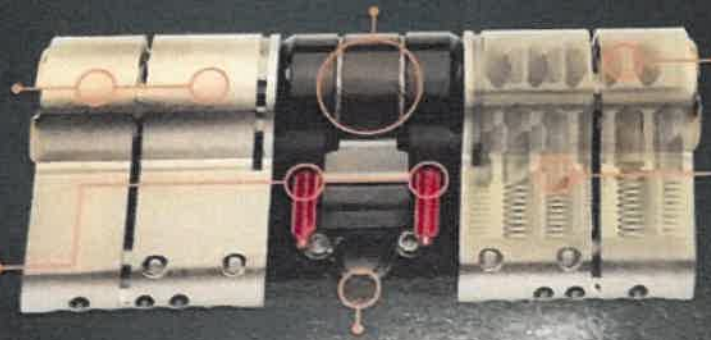
Lock Down Mode

A hidden attack lock secures the mechanism

ULTION

Double
Anti-Snap protection
The intruder needs to snap Ultion twice before he see's the core.

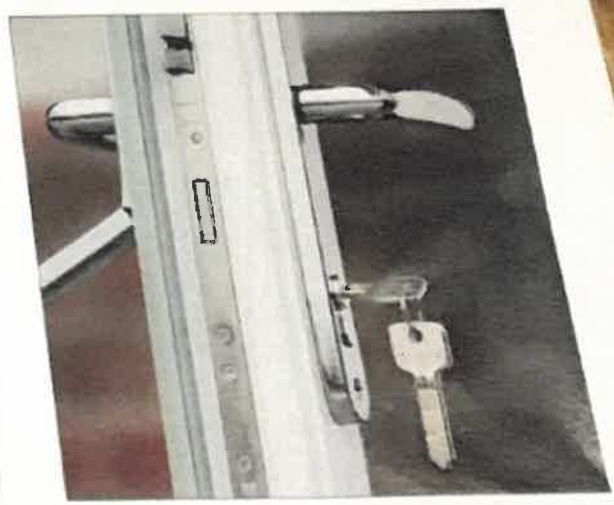
2
Attack locks
Lock still works from inside after an attack



11
Pins
Twice as many as normal locks.

8
Drill Defences
6 hardened steel rods and 2 plates in both ends.

25%
Denser than iron
The molybdenum core that ch...



£1000 GUARANTEE

IF AN INTRUDER BREAKS INTO YOUR HOME B...

ULTION WILL PAY ...

to register your ...
for FREE @ www.ultion...

PROTECTS FOR LONGER
The close keyway wipes debris off the key to stop jamming and lockouts.

1 SOLD SECURE DIAMOND
The standard most 3 star locks can't achieve.

294,970 COMBINATIONS
Prod... ...ble

MAGNETS
Magnetised keys carry metal filings from other keys and coins into the lo...

4TH

energy efficiency

A SafeGuard composite door is more energy efficient than a traditional timber door or a solid timber core composite door – **fact!**

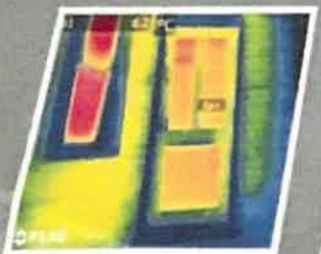
These days, we all worry about how much energy our homes use. The rising cost of our energy bills and our impact on the environment mean we want to keep our consumption to a minimum.

One of the best ways to do this is to choose thermally efficient products that keep warmth in and cold out, saving money and emissions.

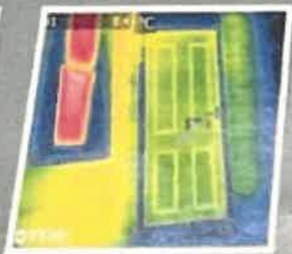
When it comes to thermally efficient doors, a Safeguard GRP composite door is the best choice you can make.

The alphabetical, colour coded scales shown in this brochure follow the same grading system as that found in white goods with 'A' representing the most energy efficient.

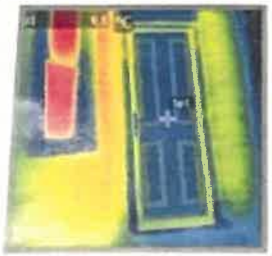
The photos show the thermal efficiency of each of the doors we tested. The darker the blue, the less heat is being lost. Reds and greens - the predominant colours on the timber door - indicate high heat loss.



Traditional timber panelled door



Solid timber core composite door



Safeguard composite door

19% More thermally efficient
than a 48mm solid timber core composite door

17% More thermally efficient
than a 44mm traditional panelled door

Doors were tested in the University of Salford's Energy [illegible]