



HIGH SECURITY

# Defender Safeguard

Safeguard is our bestselling, 'stronger than standard' doorset, providing excellent protection for almost any environment.





DDA Compliant



High Security

**MADE IN  
BRITAIN**®

The Defender Safeguard doorset is manufactured from 1.5mm galvanised steel and internal steel strengthening as standard. Frames are 2mm galvanised steel and have 2mm stainless steel thresholds making the Defender Safeguard a longer lasting, stronger door.

Bolted corners giving it rigidity and threaded fixing adjusters make it quick and easy to fit resulting in the Defender Safeguard being exceptional in the marketplace.

## Over Panels/Side Panels

Over panels and side panels can be incorporated, both fixed and removeable for maximum access. Panels can be single or double glazed, solid to match the door leaf, or louvred.

## Door Leaf

Manufactured from two 1.5mm Galvanised steel skins, folded and mechanically fixed to form a strong and rigid 45mm thick door leaf, filled with internal steel strengtheners and mineral wool for ultimate insulation. Anti-jemmy flanges to the leading edge of the leaf provide excellent jemmy resistance.

## Frame

90mm frames are pressed from 2mm Galvanised steel to form a single rebated profile. Profiled headers form a smooth butt joint with the vertical posts and are joined together utilising strong M8 bolts to provide positive rigidity. The special fast fit frame is able to compensate for most irregularities in the opening with 16no threaded fixing adjusters per doorset. They permit a tolerance of up to 18mm on each side of the door. Shims and packers are not necessary making an extremely secure fix. Frames can be insulated if required.

## Thermal performance

We achieve a rating of 2.2W/m<sup>2</sup>K based on a door size of 1090mm x 2090mm WxH - values may vary slightly depending on size and finished colour of doorset.

Reduced U-value also available with **Thermaguard Technology** (Patent Pending).

### Structural opening sizes (mm)\*\*

	Max width	Max height
Single leaf	1470	2970
Double leaf	2860	2970

\*\* Based on a 33mm wide frame. For oversized doors, please enquire.

## Thresholds

DDA compliant 2mm stainless steel threshold bolted into the vertical frame posts. Available in outward opening, inward opening and ramped.

## Seal

For optimum weather, thermal and acoustic performance, a tubular silicone/rubber is bonded into the frame rebate to ensure effective sealing of the door/frame gap.

## Hardware

Door leaves are hung from 4no stainless steel hinges for smooth operation and optimum weather resistance. Security dog bolts secure the leaf into the frame if the hinges are attacked. Additional hardware includes a range of locks, latches, lever handles, panic hardware, closers and door restrictors. On double doors, lever-action flush bolts can be installed within the leading edge of the inactive door leaf.

## Finish

Powder coated to any RAL or BS standard and marine-grade option available if required.

## Optional Extras

A full range of vision panels are available in various glass types and thicknesses. Louvre panels to any sizes are also available.

