



SD2 SECURITY DOOR

Fully **CE** compliant.
 Tested to EN14351-1 product compliant standard

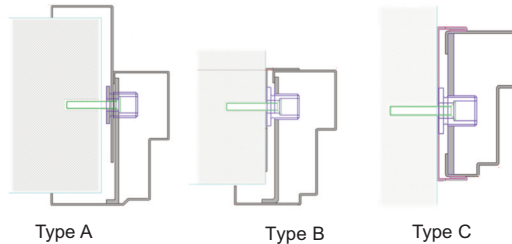
Industrial Door Engineering Ltd 'Secure by Design' Doors are designed to protect low to medium risk properties from determined opportunist attempts at forced entry using a variety of hand tools. They are particularly suitable as apartment doors for residential and social housing. Security with aesthetics.

DOOR LEAF

- Thickness:** 55mm
- Material:** 1.5mm corrosion resistant Zintec/Aluzinc sheets as standard, wide variety of colours and finishes available. Plus 1.2mm additional internal plate for 'means of escape' doors.
- Infill:** Filled with mineral wool and integral steel stiffeners.
- Construction:** Doorblade manufactured from two 1.5mm sheets lockformed together, by bonding two steel skins around a rigid core. A total steel armour thickness of 3 - 4mm.
- Astragal:** Blade fitted with an anti-jemmy astragal.

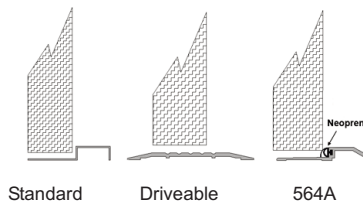
DOOR FRAME

- Construction:** Folded and welded from 1.6mm Zintec/Aluzinc.
 Fully welded, variable sub-frame supplied as standard to accommodate site tolerance of -0/+30mm.
 The sub-frame providing additional protection to the fixings against jemmys.
 The frame is fitted with 4no. specially modified Class 13 stainless steel hinges with 4no. security dog bolts for security. Infilled with mineral wool.
- Profile:**



THRESHOLD

- Standard:** 15mm rebated threshold.
- Optional:** 5mm driveable (DDA compliant).
 12.5mm 564A Aluminium (DDA compliant).



FINISHES

- Standard:** Polyester Powder coated from Standard Colour Range.
- Optional:** Polyester Powder Coating from non-standard colour range.
 Unfinished for site finishing.

THERMAL 'U' VALUES

With in-fill as detailed a thermal value of 2.4 w/m²k is obtainable.

SIZES

- Size:** Doors are custom manufactured in 10mm increments for single openings 690mm to 1200mm and double openings 1290mm to 2500mm, at heights up to 2800mm.
 Contact sales@industrial-door-eng.co.uk for special configurations and finishes.



SECURITY





SECURE LOCKING

Locking:

Non Fire Escape

Door is required to be fitted with a minimum of two high security locks. Securefast C EN grade 7 security Sashlock, (SA 222 50SS R/7) C/W euro double cylinder and security escutcheon fitted to the centre door position. Securefast C EN grade 7 security Deadlock, (SA21250 SS R /7) C/W euro double cylinder and security escutcheon fitted to the lower quarter of the door leaf.

Each door supplied with high security cylinders, tested to BS EN 1303 security Grade 6, Pattern protected to make key duplication difficult, anti-drill protected and keyed alike per door set as standard.

Please note to achieve the security rating the door should be fitted with 2No Security Deadlocks to offer the appropriate security rating when the building is unoccupied.



Fire Escape Doors

Alternatively the doors can be fitted with 3 point heavy duty panic escape hardware to offer means of escape, which is accepted by the Secure by Design scheme.

Fire Escape Doors are fitted with a 1.2mm internal skin to resist drill attack.

Note: Taller doors may require a third, additional, lock.

APPLICATIONS

Duty:

Light Commercial and perimeter security.
Protection from a determined attack, with some preparation and a number of tools where the attacker is willing to make some, but not prolonged, noise.

Note: All duty recommendations assume the doors are used in conjunction with other comparable levels of security at windows, etc.

The SD2 door can offer up to 240min. fire rating if fitted with appropriate ironmongery.

TESTING & CERTIFICATION

Tests:

These doors achieve a pass to the following;
PAS24 and STS202 (BR2). Both of which are accepted by Secure by Design.
BS EN 1627 level 2.

Tests involve a determined attack over a period of 15mins. using tools including screwdriver, 300mm. lever, and hammer. (see 'Practical Attack Element of Test for full details')

When fitted with Vision Panels the door can only be offered to PAS24 rating.

The SD2 holds Secure by Design certification.

DOUBLE DOORS

Double doors to be fitted with flush bolts, exidor towerbolts or double panic bolts.

