

Description

KCC General External Intruder Resistant & Blast Security Steel Door & Frame - Medium to High Risk - Mild Steel Construction



Product Summary

Security Doorset for external intruder resistant applications. Successfully tested to BS EN 1627:2011 Grade RC4 burglar resistance security standard and BS EN 13124-2 grade EXR2 & EXR explosion resistance

Certification

European Norm	BS EN 14351-1:2006
Product Classification	Compliant
EC Certificate of Conformity No.	See DOP
Certifire No.	n/a
Declaration of Performance	Project Specific - On Request
Other Test Evidence	Various see extended features

BIM Assist™

CE

BC(A)R Assist™*

Guarantee

1 Year

Last Reviewed

06/01/2020

* ROI Only

For the purpose of continual product development, KCC reserves the right to change specifications without notice. Please accept all dimensions as approximate. E&OE. © KCC Group 2025.

Description

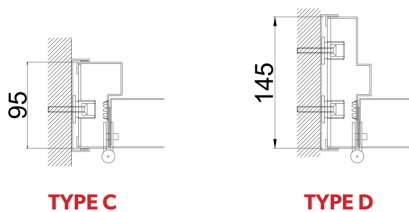
KCC General External Intruder Resistant & Blast Security Steel Door & Frame - Medium to High Risk - Mild Steel Construction



Door Leaf

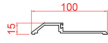
- Successfully tested to BS EN 1627:2011 Grade RC4 burglar resistance security standard. Protect medium to high risk properties from experienced attempts at forced entry, regardless of noise, using heavy hand and battery tools or explosives
- Successfully tested to BS EN 13124-2 grade EXR2 & EXR3 explosion resistance
- 48mm thickness
- 1.5mm corrosion resistant Zintec / Aluzinc mild steel sheets available in a variety of colours and finishes
- Doors can be provided in optional stainless steel, grade 304 or 316
- Infill: Solid timber cored with internal stainless steel anti-attack skin
- Construction:
 - Doorblade manufactured from two 1.5mm sheets lockformed together, by bonding two steel skins around a rigid core. Additionally fitted with a 1.5mm stainless steel sheet to the internal face of the outer skin and a solid timber core. Fitted with a full length continuous hinge. A total steel armour thickness of 4.5mm. Fitted with integral lock box
- Maximum Dimensions (mm)
 - Single doors latched (single swing) W1250, H2800
 - Double doors latched (single swing)* W2600, H2800
- Optional concealed electro-magnetic lock including reinforcement

* latched or unlatched, equal or unequal split



Door Frame

- Two profile options (see left)
- Material: Folded and welded from 3.0mm corrosion resistant Zintec / Aluzinc mild steel sheets available in a variety of colours and finishes
- Sub-Frame: Specially modified, variable sub-frame supplied as standard to accommodate site tolerance of -0/+30mm. The sub frame providing additional protection to the fixings against attack by jemmy
- Fixings: Stainless steel dog bolted continuous hinges for additional security



15mm rebated threshold
(DDA compliant)

Threshold Options

- Select from the options available



Polyester Powder
Coated from Standard
Colour Range



Polyester Powder
Coated from Non-
Standard Colour Range

Finishes

- Various RAL colours and finishes are available



Stainless Steel
Brushed, Polished
or Patterned



Unfinished for
site finishing



Secure Locking

- A centre High Security Sashlock combined with two similar Deadlocks in the upper and lower quarters of the door. All locks fitted with anti-jemmy escutcheon and welded shroud. Locks are anti-drill and patent protected to reduce risk of key copying. MICO TINDALL and Surelock McGill hardware can also be used. Doors are fitted with Exidor tower bolts
- Alternatively high security multi-point heavy duty panic hardware for fire escapes
- Double doors are fitted with heavy duty tower bolts to inactive leaf

**Thermal Values**

- 2.9w/m2k is obtainable with infill as detailed

**Applications**

- Heavy duty and vulnerable properties, probably with a prior record of attempts at forced entry
- Protection from experienced attempts at forced entry of commercial properties with no regard for noise
- Further the door is suitable for protection against attempted entry by explosive blasts
- Note: All duty recommendations assume the doors are used in conjunction with other comparable levels of security at windows, etc.

**Performance Testing**

- Security
 - Tested to BS EN 1627:2011 Grade RC4 burglar resistance
 - The test involves a determined attack over a period of 30mins. using a selection of hand and battery tools including club hammer, cordless drill, cold chisel and axe
- Blast
 - Successfully tested to and passed BS EN 13124-2 grade EXR2 & EXR3 explosion resistance, with explosive blasts using plastic explosives

Description

KCC General External Intruder Resistant & Blast Security Steel Door & Frame - Medium to High Risk - Mild Steel Construction



Specification Text

Steel Door Specification L20

SINGLE / DOUBLE STEEL DOOR & FRAME

MANUFACTURER: KCC Group

Doors fully compliant with door standard EN 14351-1 and CE marked

LEAF

- 48mm thickness
- 1.5mm corrosion resistant Zintec / Aluzinc or optional stainless steel, grade 304 or 316
- Infill filled with mineral wool and integral steel stiffeners
- Doorblade manufactured from two x 1.5mm sheets lockformed together by bonding two steel skins around a rigid core. Total steel armour of 3 - 4mm
- Optional concealed electro-magnetic lock including reinforcement

FRAME

- Style [SPECIFY A or B or C or CUSTOM]
- Folded and welded from 3mm corrosion resistant Zintec /Aluzinc mild steel sheets
- 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 attack by jemmy
- Four specially modified Class 13 stainless steel hinges with four security dog bolts for security
- Mineral wool infill

AIR PERMEABILITY PERFORMANCE

- Class 3A to BS 6375 and BS EN 12207:1999

RESISTANCE TO WINDLOADING

- Class A3 to BS 6375 and BS EN 12210:1999

WATER TIGHTNESS

- Class 3A to BS 6375 and BS EN 12208:2000

DURABILITY

- Class 6 to EN 1191:2000

VISION PANELS (Optional)

- Construction: Welded construction from 1mm cold rolled steel, screwed together from one side
- Options: Double Glazed as standard. Alternative options include 6mm GWPP or a 19mm Double Glazed Unit (6.4mm laminated outer /6mm space /6.4 mm laminated inner). Custom sizes and glass are available to customer requirements

LOUVRES (Optional)

- Construction: Standard Louvre offers 50% air flow with louvre blades constructed to stop birds. Frames are 1.2mm thick and blades 0.7mm
- Options: Fly mesh available as an optional extra, also custom sizes

*For the purpose of continual product development, KCC reserves the right to change specifications without notice.
Please accept all dimensions as approximate. E&OE. © KCC Group 2025.*

www.thekccgroup.com

FINISH

- Powder coating is available as standard in any single stocked BS or RAL colour.
- Extra Life C5-M Marine Grade finish is available as an option in salt laden coastal or high chlorination locations

THRESHOLD (Optional)

- Std 15mm threshold DDA compliant
- Other options are available

SEALS

- Standard self-adhesive perimeter seals available upon request

SIDEPANELS & OVERPANELS (Optional)

- Solid, Glazed and Louvred side and overpanels available in a fixed or removable arrangement

THERMAL VALUE

- 2.9w/m²k

BS EN 1627 BURGLAR RESISTANCE. REQUIREMENTS AND CLASSIFICATION

- Grade RC4
- Centre High Security Sashlock combined with two similar Deadlocks in the upper and lower quarters of the door.
- All locks fitted with anti-jemmy escutcheon and welded shroud. Locks are anti-drill and patent protected to reduce risk of key copying. MICO TINDALL and Surelock McGill hardware can also be used.
- Doors are fitted with Exidor tower bolts
- Alternatively high security multi-point heavy duty panic hardware for fire escapes
- Double doors are fitted with heavy duty tower bolts to inactive leaf

BS EN 13124-2 EXPLOSION RESISTANCE

- Grade EXR2 & EXR3