

The Nationplus is a bespoke range of steel doorsets constructed to the highest standards and designed to last. Fire-rated doors, attack tested doors and acoustic doors are also available. It can be made to suit openings up to 3m wide by 3m high.

Briton Shutters and Grilles reserve the right to change product specification without prior notice

Additional Features:

- Vision panels
- Fixed panels
- Locking systems
- Wide range of colours and finishes
- Door closers
- Louvres
- Maglocks



Nationplus



Protecting the Nation

The Nationplus door provides a solution where high security, durability and ease of operation are a requirement.

Applications include:

- Fire escape doors
- Secure personnel doors
- Plant room doors
- Communal entrance doors
- Shop entrance doors

Call free for more information about Nation security products

STANDARD SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 or 1.6mm Zintec
Core Infill:	Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1500 x 3000
	Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

Notes:

FIRE RATED SPECIFICATION

Leaf:

Overall Thickness:	45mm to 50mm
Material:	1.6mm or 2mm Zintec
Core Infill:	Rockwool

Door Leaf Construction (Fire Rated) Manufactured from 1.6 or 2.0 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels and horizontally with tubes to prevent twisting. Spaces are filled with dense Rockwool. Astragal to leading edge.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1365 x 2762
	Double Door: 2639 x 2762

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Certification: Both our Single and Double Door Sets have successfully achieved 6 hour Fire Rating in conjunction with BS 476 parts 20 & 22.



Internal Core

Notes:

Estimated U-Value 2.28

The maximum size we can issue Fire Certification for is 3.12 SQ mtr per leaf. If the required Structural opening exceeds the above dimensions, Fire Rated Side panels / Over panels can be used.

TIMBER CORE SPECIFICATION

Leaf:

Overall Thickness:	48mm
Material:	1.2 or 1.6mm Zintec
Core Infill:	Laminate Board

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1240 x 2400
	Double Door: 2400 x 2400

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

Notes:

LEVEL 2 SECURITY SPECIFICATIONS

Leaf

Material: 1.5mm Zintec attack face with 1.5mm inner face.

Size: 45mm thick composite door leaf with astragal lip to closing edge

Weight: Approximately 40kg per square metre.

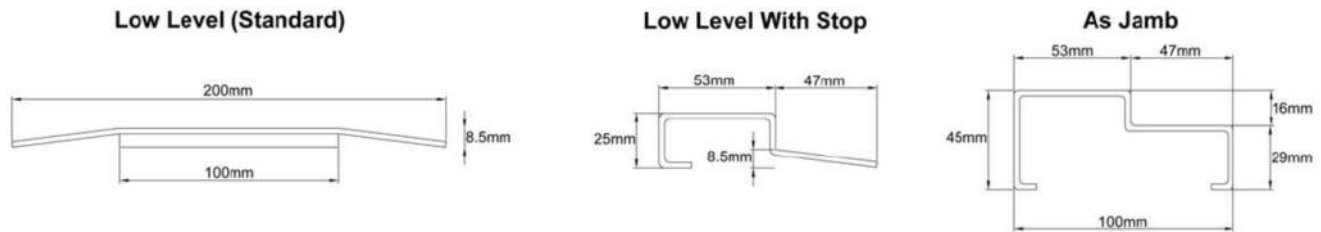
Frame

Material: 1.5mm Zintec steel.

Profile: Single Rebated 38mm x 100mm.

Reinforcing: At hinges, lock keeps and fixing points. Welded construction.

Thresholds



Sizes

Available as single door sets. Maximum size of 1100mm wide x 2200mm (Maximum sizes apply to achieve the security rating. Please ask for further details.)

Door Furniture

Using high security locking from ASSA HARDWARE

Finish

One coat of grey etch primer as standard for on-site finishing or there is the option of a wide selection of powder coated colours from our own factory powder coating facility.

Optional Extras

Please call office to discuss what extras are available.

Certification Certified by the Loss Prevention Certification Board to LPS 1175 Security Rating Classification 2.

LEVEL 3 SECURITY SPECIFICATIONS

Leaf

Material: 2.5mm / 1.5mm Zintec attack face dependant on model with 1.5mm inner face.
 Size: 45mm thick composite door leaf with 2.5mm thick anti-lever cover strip to closing edge
 Weight: Approximately 40kg per square metre.

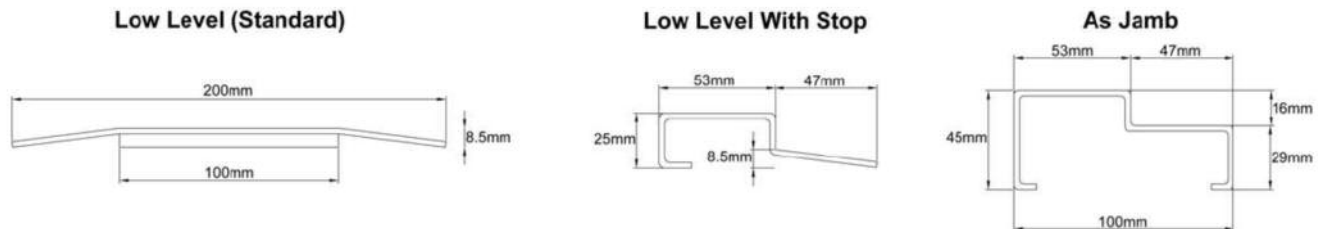
(Some models in our range have internal 2mm thick drill resistant manganese steel protection plate in attack face).

Frame

Material: 1.5mm Zintec steel (2.5mm / 1.5mm hinge jamb depending on model).
 Profile: Single Rebated 45mm x 100mm.

Reinforcing: At hinges, lock keeps and fixing points. Welded construction.

Thresholds



Sizes

Available as single, leaf and a half and double leaf door sets. Maximum size of 1240mm wide x 2400mm high for single leaf door sets and 2400mm wide x 2400mm high for double leaf doorsets. (Maximum sizes apply to achieve the security rating. Please ask for further details.)

Door Furniture

Using high security locking from ASSA, Surelock McGill and Mico, a wide range of locks and panic furniture is available.

The passive leaf of Double leaf door sets are fitted as standard with top and bottom barrel bolts equipped with the facility for padlock or anti-tamper indicator. Alternatively integral bolts can be fitted which have to be locked secure before the active leaf will close.

Finish

One coat of grey etch primer as standard for on-site finishing or there is the option of a wide selection of powder coated colours from our own factory powder coating facility.

Optional Extras

Many optional extras are available including external 'D' pull handles, lever handles, panic bolts, weather / smoke seal, kick and push plates, overhead door closers, heavy duty door stays, alarm contacts and electronic lock status monitoring.

Certification Certified by the Loss Prevention Certification Board to LPS 1175 Security Rating Classification 3. Offering external access by key only, this door set incorporates one lock as standard. An additional lock can be added as an option.

LEVEL 4 SECURITY SPECIFICATIONS

Leaf

Material: 1.5mm Zintec incorporating with additional internal 2mm thick drill resistant manganese steel protection plate in attack face.

Size: 45mm thick composite door leaf with 3mm thick anti-lever cover strip to closing edge

Weight: Approximately 50kg per square meter.

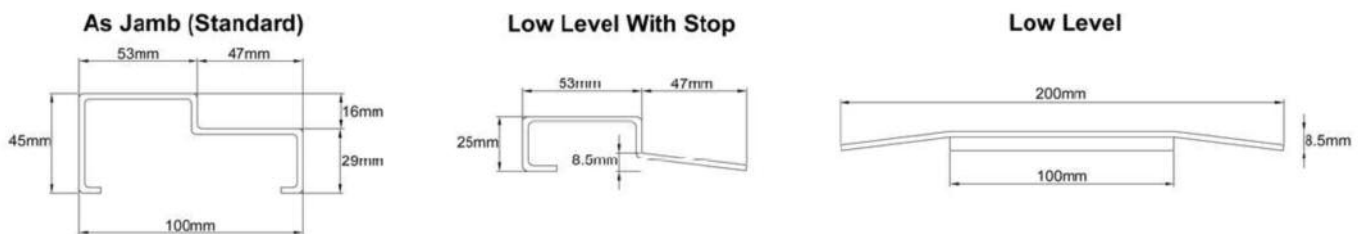
Frame

Material: 1.5mm Zintec steel.

Profile: Single Rebated 45mm x 100mm.

Reinforcing: At hinges, lock keeps and fixing points. Welded construction

Thresholds



Hinges

3 no. class 9 Stainless Steel hinges to BS 7352 tested to 200,000 cycles, recessed into door leaf. Independent 30mm hardened steel dog bolts with reinforced anti-crushing fixing, welded to the hinge mounting plate and passing through the hinge assembly.

Sizes

Available as single, leaf and a half and double leaf door sets. Maximum size of 1240mm wide x 2400mm high for single leaf doors and 2400mm wide x 2400mm high for double leaf doors.

(Minimum and maximum sizes apply to achieve the security rating, please ask for further details)

Door Furniture

Using high security locking from ASSA, Surelock McGill and Mico, a wide range of locks and panic furniture is available certified to LPS 1175 Security Rating level 4. The passive leaf of Double leaf door sets are fitted as standard with top and bottom barrel bolts equipped with the facility for padlock or anti-tamper indicator. Alternatively integral bolts can be fitted which have to be locked secure before the active leaf will close.

Finish

One coat of grey etch primer as standard for on-site finishing or there is the option of a wide selection of powder coated colours from our own factory powder coating facility.

Fire rating

30 minute fire rating is available on both the single and double leaf two lock version.

Optional Extras

Many optional extras are available including external 'D' pull handles, lever handles, weather / smoke seal, kick and push plates, overhead door closers, heavy duty door stays, alarm contacts and electronic lock status monitoring.

This three-point auto bolting system is designed for panic escape with no external access, and offers the choice of an escape handle or panic bar.

ACOUSTIC SPECIFICATION

Leaf:

Overall Thickness: 50mm
Material: 1.6mm Zintec
Core Infill: Unspecified

Frame:

Minimum Frame Depth: 76mm x 25mm Single Rebate
Minimum Frame Depth: 145mm x 38mm Double Rebate
Material: 1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

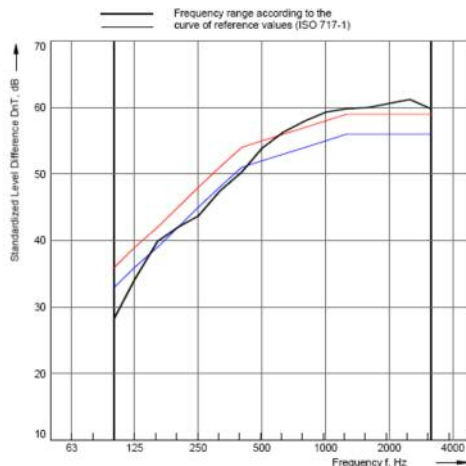
Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size: **Single Door:** 1240 x 2400
Double Door: 2400 x 2400

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
 Grade 13 Stainless steel ball bearing dog bolt butt hinges
 (Complies with EN 1935:2002)

Fire Rating: NIL
Certification:



STOCK DOOR SPECIFICATION

Leaf:

Overall Thickness: 45mm
Material: 1.2 Zintec
Core Infill: Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core.

Frame:

Frame Depth: 76mm x 35mm Single Rebate
Material: 1.6mm

Description: Manufactured from 1.6 zintec formed to single rebated profile in tack welded form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity. Jacking Screws fitted as standard.

Threshold: H TYPE

Overall Maximum Frame Size: **Single Door:** 890 x 2094

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: IDC 757 Panic Latch

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

STOCK DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 Zintec
Core Infill:	Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.
Spaces are filled with Dufaylite Honeycomb core.

Frame:

Frame Depth:	76mm x 35mm Single Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single rebated profile in tack welded form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity. Jacking Screws fitted as standard.

Threshold: H TYPE

Overall Maximum Frame Size: **Single Door:** 990 x 2094

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: IDC 757 Panic Latch

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

STOCK DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 Zintec
Core Infill:	Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core.

Frame:

Frame Depth:	76mm x 35mm Single Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single rebated profile in tack welded form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity. Jacking Screws fitted as standard.

Threshold: H TYPE

Overall Maximum Frame Size: **Single Door:** 890 x 2094

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: Sash lock set c/w Lever Handles, Double Europrofile Cylinder or Cylinder & Thumb Turn

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

Notes:

Frame & Corner Caps as optional extras.

STOCK DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 Zintec
Core Infill:	Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.
Spaces are filled with Dufaylite Honeycomb core.

Frame:

Frame Depth:	76mm x 35mm Single Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single rebated profile in tack welded form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity. Jacking Screws fitted as standard.

Threshold: H TYPE

Overall Maximum Frame Size: **Single Door:** 990 x 2094

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: Sash lock set c/w Lever Handles, Double Europrofile Cylinder or Cylinder & Thumb Turn

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: TBA



Internal Core

Notes:
Frame & Corner Caps as optional extras.

REBOUND PANEL SPECIFICATION

Leaf:

Overall Thickness: 45mm
Material: 1.2 or 1.6mm Zintec
Core Infill: Dufaylite & Rockwool

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core or Rockwool.

Frame:

Frame Depth: 160mm x 25mm Single Rebate
Frame Depth: 160mm x 38mm Double Rebate
Material: 1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Rebound Panel Usage & Infill: The use of rebound panels are used mainly in sports halls or where there is a possibility of a door being opened accidentally when hit at speed and prevent accidental injury. The panels provide a gap around the panic hardware so that access is possible to evacuate in an emergency. The panels can be filled with rockwool, polystyrene or no infill.

Material thickness: 1.6mm

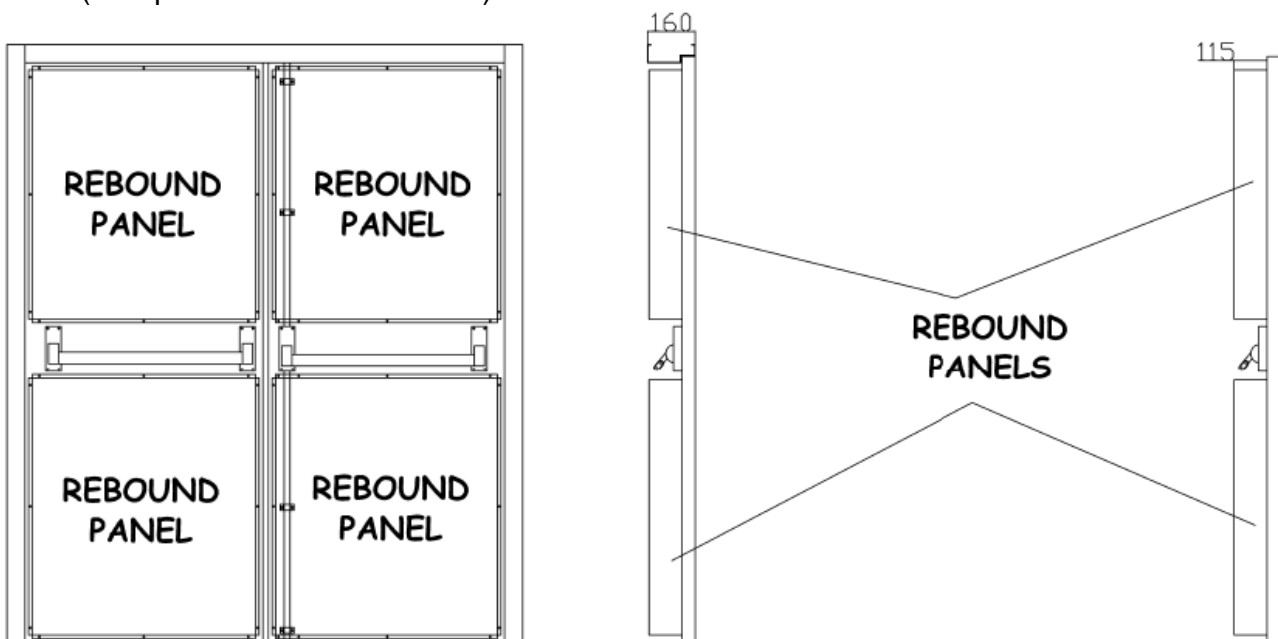
Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size: **Single Door:** 1500 x 3000
Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: Standard Panic Hardware & Touch Bar Series

Hinges: Grade 13 Stainless steel ball bearing butt hinges
 Grade 13 Stainless steel ball bearing dog bolt butt hinges
 (Complies with EN 1935:2002)



COMMUNAL DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 or 1.6mm Zintec
Core Infill:	Dufaylite / Rockwool / Timber

Door Leaf Construction (Dufaylite, Rockwool)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core or Rockwool depending on the infill.

Door Leaf Construction (Timber)

Laminated Timber Board Core sandwiched between 1.2 or 1.6 zintec steel, giving extra sense of security with a tougher door leaf.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1500 x 3000
	Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Access control: Various options available; Surface Mounted Maglock with Swipe Card / Keypad System or Night Latch with Electric Strike and Swipe Card / Keypad System or Maglock / Electric Strike with Intercom System.

Additional Hardware: Deadlock, Door Closer, Kick Plates, Pull Handle, Push Plate, Automatic Door Opener.

Glazing: With or without glazing.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL

Certification: NIL

A typical example showing a Communal Door Set, we can manufacture the doorset to suit your requirements.



EMBOSSED SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2mm Zintec
Core Infill:	Dufaylite

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels.

Spaces are filled with Dufaylite Honeycomb core.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1500 x 3000
	Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: See Door Range Chart for Compatibility

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: NIL



TONGUE & GROOVE SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2mm Zintec
Core Infill:	Rockwool

Door Leaf Construction (Rockwool)

Manufactured from 1.2 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking reinforcing channels.

Spaces are filled with dense Rockwool.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1500 x 3000
	Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: See Door Range Chart for Compatibility

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL
Certification: NIL



COUNCIL DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 zintec
Core Infill:	None

Door Leaf Construction (None)

Manufactured from 1.2mm zintec steel, Single skinned with 3mm reinforced horizontal and vertical channels.

Frame:

Material: 1.5mm

Description: Manufactured from 1.5mm zintec formed to a channel profile welded, reinforced and fitted with fixing plates.

Threshold: Integrated Welded Channel

Overall Maximum Frame Size:

Single Door: 845 x 1975

Double Door: N/A

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: IDC 1012 Deadlock top and bottom keyed alike, internal Central Sliding Bolt for daytime use.

Hinges: Concealed

Fixing: Fixed via threaded bar horizontally at the head and cill as a temporary measure securing on all four corners.

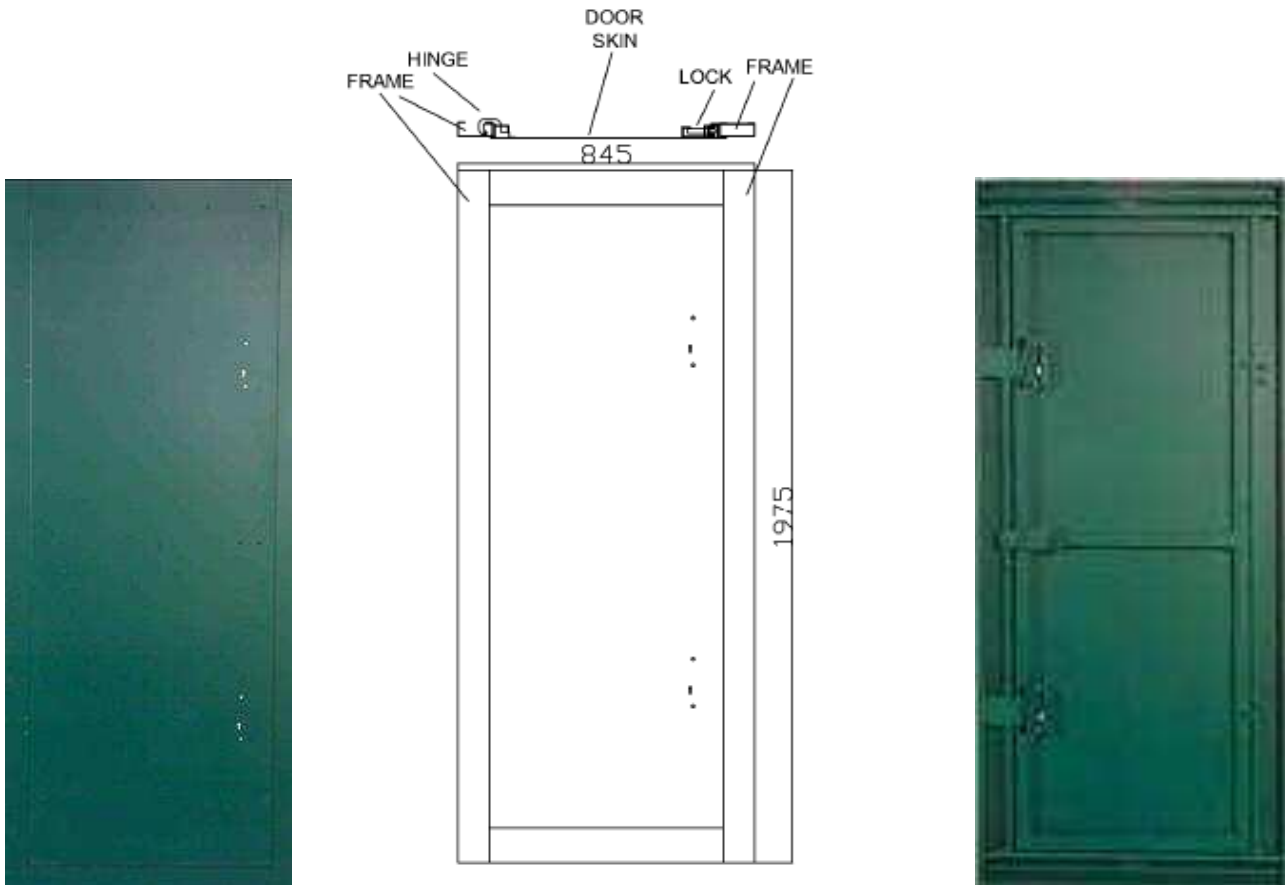
Information

These doors are used predominantly by councils, to secure properties left unoccupied when tenants move out or are waiting to move in.

There are 3 locking points on the doors. Thus giving temporary security. Also the hinges are concealed to prevent attack. These doors have a fitting time of just over 5 minutes.

Fire Rating: NIL

Certification: NIL



PANELLED DOOR SPECIFICATION

Leaf:

Overall Thickness:	45mm
Material:	1.2 or 1.6mm Zintec
Core Infill:	Dufaylite / Rockwool / Timber

Door Leaf Construction (Dufaylite, Rockwool)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels. Spaces are filled with Dufaylite Honeycomb core or Rockwool depending on the infill.

Door Leaf Construction (Timber)

Laminated Timber Board Core sandwiched between 1.2 or 1.6 zintec steel, giving extra sense of security with a tougher door leaf.

Frame:

Minimum Frame Depth:	76mm x 25mm Single Rebate
Minimum Frame Depth:	145mm x 38mm Double Rebate
Material:	1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Threshold: A, B, C, D, E, F, G, H, J

Overall Maximum Frame Size:	Single Door: 1500 x 3000
	Double Door: 2808 x 3000

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Ironmongery: See Door Range Chart for Compatibility

Glazing: Solid, like glass but consists of a steel panels with rockwool in-between

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Fire Rating: NIL

Certification: NIL

