

# Security

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# Introduction

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The ModuSec system can sit independently of an existing structure.

## High Security Options

The steel outer skin, slab construction and multipoint camlock system provide a good level of physical security (more than a brick/block wall would provide from a sledgehammer attack). However we can also provide extra options which have been independently tested by the Police Scientific Development Branch professional entry teams achieving SEAP security ratings for computer rooms & document/media storage, as required for secure government, police & military installations. The system was also successfully blast tested by The Cabinet Office at 18m with 100Kg of TNT.

When combined with Stafford Bridge SEAP security rated doors, we can provide a complete room to SEAP level 2 or 3.

ModuSec Security

## Class 2 Panel Option

Forced attack protection for secure computer rooms or other high security environments.

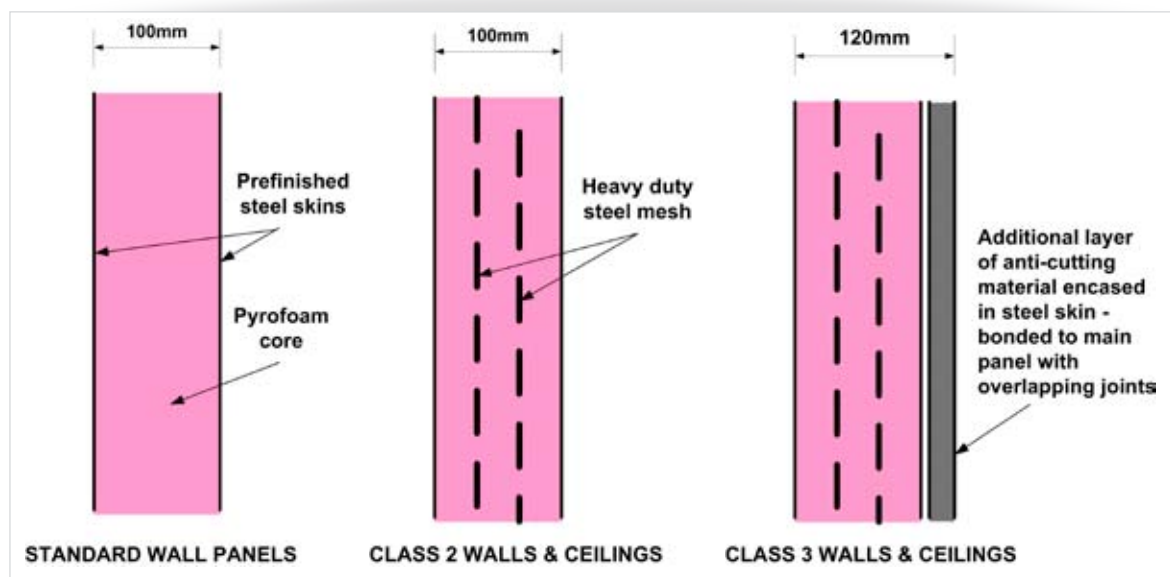
2 layers of 3mm thick cross laid steel 'diamond' mesh foamed into panels and all joints further reinforced.

## Class 3 Panel Option

As Class 2 but with an additional 20mm layer of anti cutting material in a steel sleeve with joints staggered from the main panels - to further frustrate the use of steel cutting tools and strengthen the joints. Class 3 panels (walls and ceilings) are 120mm thick.



Outside units can be fitted on a raised frame with roof panels, gutters and soffits.



The high security walls contain a heavy duty steel mesh and optional anti-cutting material to protect against forced entry and blast attack.

# Doors

## Class 3 Door Option

Doors for the ModuSec System are all manufactured in our own factory. Single and double doorsets, like our panels, are steel faced with a Pyrofoam insulation core. Single doors can be supplied with a clear opening up to 1200mm. Each door leaf and frame is double rebated to accommodate two smoke/water seals and an intumescent seal that swells under heat in a fire situation.

Doors can be 'four-sided' with the double rebate all round to maximise smoke and water protection. This is particularly recommended for outside installations or areas vulnerable to water ingress. Alternatively we can fit a flat threshold with a smoke seal on the door leaf that drops down on closure of the door. This allows easier entry for equipment on wheels.

The doors are hung on heavy duty adjustable hinges, to provide a perfect fit, with high security hinge bolts that maintain security if hinges are cut off.

The split frames are made from heavy gage steel and are clamp fitted to panels with an intumescent seal between them to stop transfer of heat in the event of a fire.



High security timber multi-layer door or steel faced doors.

## SEAP Test Criteria

Two attackers with full knowledge of the product.

### SEAP 2

Test time: 20 mins

Working time: 5 mins

Tool Category C

Tool category A and B plus:

- 1 Crowbar - 2.5kg/700mm long
- 1 Power drill (cordless with rotary action only) - 7.2V d.c.
- 1 HSS/HSCO or carbide drill bit - 10mmØ (Jobber)
- 1 Hacksaw / 2 HSS blades
- 1 Pad saw / 2 HSS blades
- 1 Hammer - 400mm long/1.5kg
- 1 Axe - 350mm long/1.5kg
- 1 Butane / propane gas torch
- 1 Scissor jack - 750kg capacity 100mm minimum retracted, 200mm stroke
- Cold chisels - 250mm long/25mm wide
- Wood chisels - 250mm long/25mm wide
- Brick bolsters - 250mm long/75mm wide

### SEAP 3

Test time: 30 mins

Working time: 10 mins

Tool Category D

Tool category A,B and C plus:

- 1 Jigsaw (cordless) - 12V d.c.
- 1 Disc Grinder / 3 cutting discs (cordless) - 12V d.c
- 1 Sledge-hammer - 750mm long/3kg
- 1 Tube - 500mm long/75mmØ
- 1 General purpose saw
- 1 Felling/fire axe - 850mm long/3kg
- 1 Power drill (cordless with rotary action only) - 7.2V d.c.
- 1 Hole saw - 50mmØ
- 1 Plate shears - 300mm long
- 5 HSS/HSCO or carbide drill bits - various sizes up to 13mmØ (Jobber)
- Bolt cutters - 500mm long
- Steel wedges - 150mm long



High security timber multi-layer door or steel faced doors.

# Locks



Abloy EL561 door lock.



Digital keypad entry system.



3 way bolting high security locking system and ??.

## Locks

We can fit a wide range of locks and emergency exit furniture. The recommended lock for our standard doors is the Abloy EL 560. This is a high security electric solenoid lock, suitable for connection to any access control system.

- Tested to draft standards for burglary prEN1627 and mechanical resistance to prEN12209-1
- Entry via access control with a key override
- Variable voltage 12 to 24V
- Free exit – meets EN179 and EN1125 for emergency and panic exit
- Meets EN1634-1 for fire resistance
- Suitable for internal or external installations
- Monitoring of bolt position and 'request to exit'
- Option to (power) fail locked or unlocked

## Other Lock Options

- Abloy EL561 can also be fitted if access controlled exit is also required. However this does not fully meet EN179 and EN1125 for emergency and panic exit and has to be combined with a mechanical override (thumbturn toggle with a breakdome cover)
- 3 way 'exit only' furniture
- Key operated mortice lock
- Overhead magnetic lock
- 3 way bolting high security locking systems that can be key, digital keypad or proximity reader controlled

### High security windows and transfer drawers

1 piece steel frames secured on the inside, double glazed with security and fire rated glass.



Transfer drawer and high security window.



Steel frame of high security window.