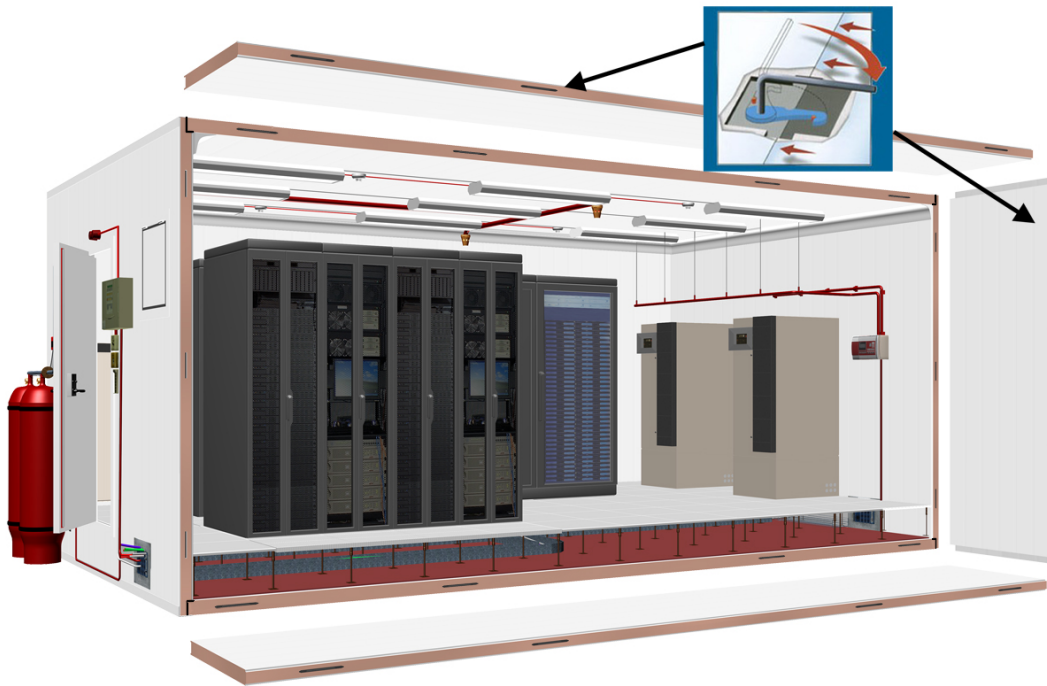


ModuSec®

Remtech

Secure Modular Construction



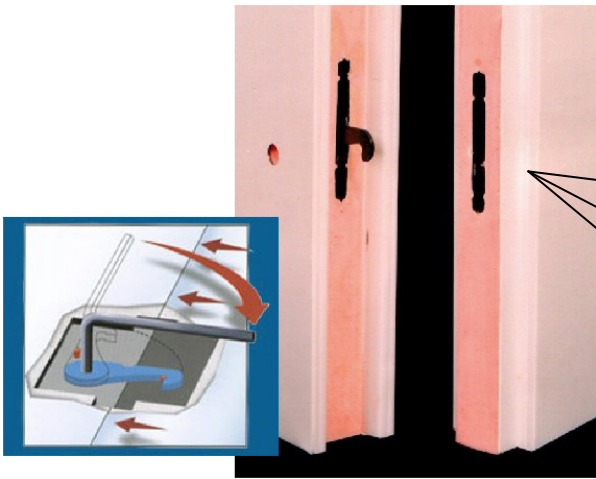
**Quick & Clean To Build To Any Size
Inside An Existing Building Or Outside With A Roof**

**Protection From Fire, Smoke & Water
Designed To Meet Standards To Protect IT**

**High Security Tested Options For
Forced Attack Protection
Plus Secondary Blast Protection**



**Secure Computer Rooms, Data Centres, Workshops
Data Storage, Alarm Receiving Centres, Armouries, etc**

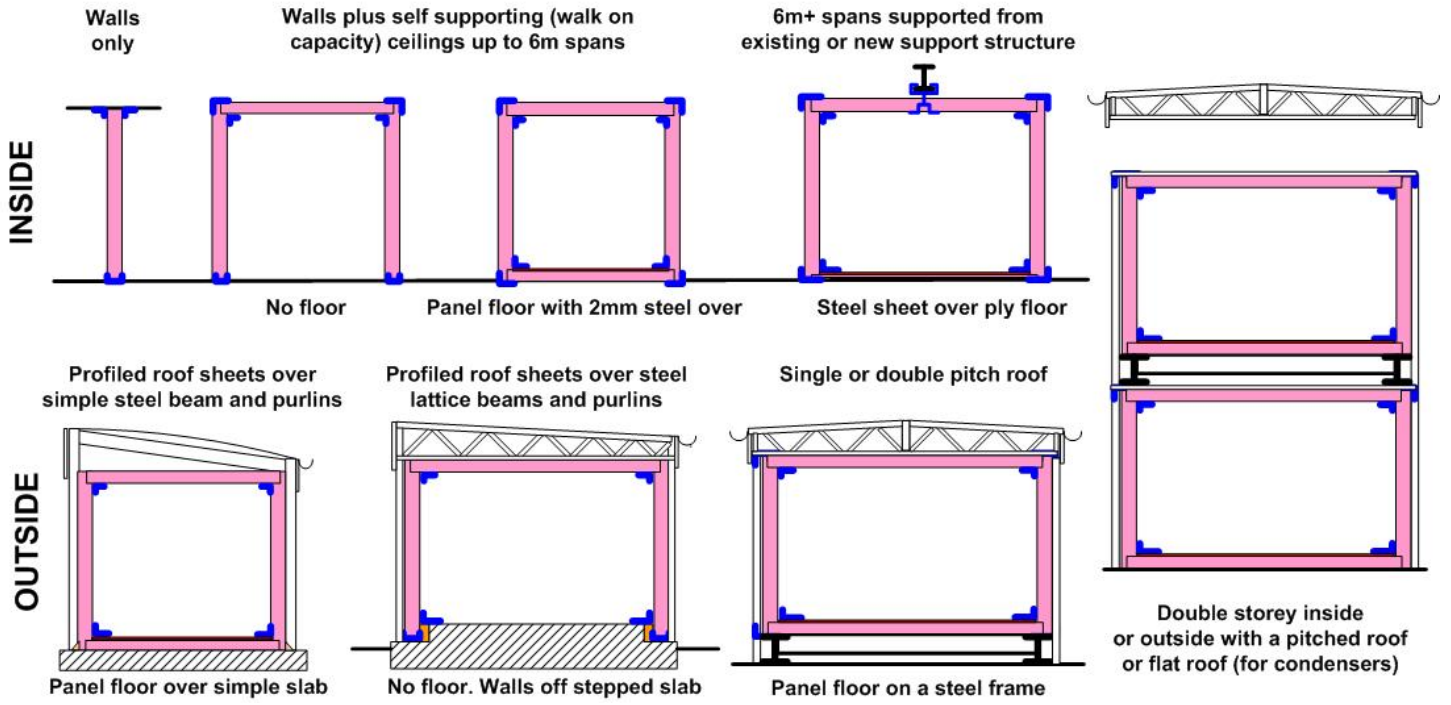


- Steel faced pre-finished wall and ceiling panels with a high performance thermal barrier core (Pyrofoam) lock together from inside to form a protective enclosure that is quick and clean to build to any size.
- Walls support ceilings with no other structure and ceilings span up to 6 m without intermediate support
- Fire tested service entry systems
- Achieves around 2 hours integrity for fire suppression fan tests
- Resist pressures up to 500 Pascals pressure for fire suppression systems
- Insulated overpressure flaps available

High Security – Blast Protection Options

- Class 2 panels include 2 layers of cross-laid 3mm steel Expamet mesh to protect from concerted forced attack.
- Class 3 panels add an additional layer of material to frustrate use of powered cutting blades.
- Resistant to thermic lance attack
- Additional anti ballistic materials can also be added as required.
- Approved for secondary blast protection (rooms within a building)
- Standard and high security panels are interchangeable for varying levels of security on different facades
- Double, single or roller shutter Class 3 doorsets available

MODUSEC CONSTRUCTION OPTIONS



Double Hinged



Single Hinged

Door Options

- Double or Single hinged – all double rebated with 2 smoke/water seals
- Escape only or a choice of locks - key, combination or electric access control entry
- Double rebated with 2 smoke/water seals

Why Use ModuSec?

• Rapid Assembly

Pre finished steel faced panels are fixed together via a mechanical camlock system to quickly construct a room of any size (installation provided). No 'wet trades' (painting, etc) required. Wall panels support ceiling panels with no additional structural steel. No intermediate structural support for spans up to 6m. For larger spans we install a simple steel beam/post system – or fix to existing structure. Install within 50mm of existing walls. Leave existing services in place. Easily extended or even relocated at any time and is maintenance free.

• Fire Protection

Independently tested at the UK Building Research Establishment to temperatures of over 950 °C. Certified to F90 standard (BS467 Pt22) **BUT** also meets European standard for computer room construction EN1047-2 recommended limit temperatures for a minimum of 60 minutes. Note that a block, plasterboard or other panel construction may also meet an F90 or even F120 standard that requires 180°C limit temperature for escape routes - but critical temperatures for media/hardware storage (55/65°C) may be very quickly exceeded. ModuSec is also IMO A60 rated plus smoke & toxicity approved for marine use.

• Water Protection

Panels are steel skinned with 'tongue & groove' joints mechanically fixed and sealed with silicon mastic. The core material is almost 100% closed cell. Hence if any water penetrates a joint it will have no significant effect on the integrity of the panel (unlike plasterboard or some other materials). Doors, vent and over pressure flaps are all double rebated with 2 smoke/water seals. Service entry points are also sealed against water ingress.

• Energy Efficiency

Our 100mm ceiling and wall panels have a U value (rate of heat transfer) of just 0.18 - less than half an equivalent mineral wool panel or stud partition wall with mineral wool infill. This will effectively eliminate solar gain, save energy (power) and provide a stable environment for cooling systems.

• Strength

The standard panels weigh just 20 Kg/m² but are incredibly strong and require no structural support for ceiling spans up to 6m – providing 'walk on' access to BS 6399. Ceiling panels are fitted with steel channels to facilitate the support of fire suppression pipes, etc. Other lighter services can be fixed at any point. Special provision can be made for excessive loads. A compressive strength of 60 Tonnes/m² allows the panels to also be used on the floor (optional) - to provide a completely sealed 6-sided box.

• Security

The standard system provides a very high level of physical security with large steel faced panels mechanically jointed and steel doors with high security single point locks. Doors/panels resistant to thermic lance attack. For additional security we include 2 layers of 3mm steel mesh inside the panels and add an extra layer of material to frustrate the use of powered cutting tools. ModuSec is tested and approved for protection from forced attack and secondary blast to Class 2 or 3 standards (depending on option chosen).

Widely specified throughout Europe & Scandinavia by Public Authorities, small companies and multi-nationals - as *the* fast, cost effective solution to meet required standards

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