

Most building materials – plasterboard, brick, block, non security rated composite panels, steel cladding or shipping containers, etc., can be breached in a surprisingly short period of time.

The LPS 1175 test stipulates the allowable toolset and minimum time at each security rating level to prevent forcible entry through a building element.

It is intended to form part of an overall security strategy, with the user deciding on the level of threat and exposure time before intervention arrives - in the context of the consequences of losing items, information or systems being protected.

In the case of a modular building, the test measures the time to make a hole big enough to get a person through (minimum of an elliptical shape 400mm x 225mm) plus it looks at all the joints and fixing to the building environment as appropriate. The tests are carried out by trained personnel of the BRE - with full knowledge of the product and its construction. Many initial trials are carried out to assess the best tools to use from the allowable toolset.

Hopefully this knowledge will not be available to your potential intruder - which makes the test more onerous than it looks. ModuSec panels have no surface indication of security level. The ratings are achieved by combinations of materials within the core. Ratings will be indicated in 'as built' drawings and certified by the independent LPCB ISO9001 audit process.

Security rating	Tool category	Maximum work time* (min)	Maximum test duration (min)
SR1	A	1	10
SR2	B	3	15
SR3	C	5	20
SR4	D	10	30
SR5	D+	10	30

*Max working time is the total accumulated time during the test duration when tools are being applied – e.g. with a power saw, the timing stops as soon as the blade stops moving. The remaining time in test duration is for assessment, rest, change of tools or power packs, etc.

SR1: Opportunist attack by bodily force using minimal tools (e.g. screwdriver, knife, pliers, etc)

SR2: More determined opportunist attack with tools of a higher mechanical advantage (e.g. SR1 tools plus bolt cutters, claw hammer, drill, etc).

SR3: Deliberate forced entry of protected premises using bodily force and a selection of attack options (e.g. SR2 tools plus short axe, chisels, crowbar, gas torch, etc).

SR4: Experience attempts at forced entry with higher tool levels (e.g. SR3 tools plus felling axe, sledgehammer, steel wedges, disc grinder, jigsaw, etc).

SR5: Serious attempts at forced entry with top end battery power tools used by fire and rescue teams (e.g. SR4 tools plus circular saw and the awesome 750W reciprocating saw with specialist blades). This is a massive step up in protection level from SR4 – using state of the art cutting tools. However these tools are readily available to anybody with serious intent.

ModuSec from Remtech is the only system available to offer distinct options to meet all these threat levels - in addition to blast and fire protection*. Combine options for different walls or ceilings depending on vulnerability, with appropriate structural steelwork, doors, service entry protection to complete the secure envelope. ModuSec will also protect from attack with a thermic lance and has options approved to various HM Government forced attack standards (details on request from authorised users). We offer vast experience in building high security data centres and other secure environments and can be fully involved with the design process.

Survey, design, manufacture, delivery and installation of all elements by one ISO9001 company with 30 years of experience guarantees the finished product meets the correct security standard to protect your critical assets.

*ModuSec fire protection meets computer room design standard EN1047-2 critical temperature limits for the protection of hardware. A steel roller shutter door or steel sheeting may have a 4 hour fire rating (for integrity not insulation) – but the protected side will exceed critical temperatures for hardware in just a few minutes. Correct interpretation of standards is required. Ask the experts. Call 020 8786 8787.

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