



Left: HOSDB approved security louvers, installed at Hoxton, north London; right, Sentinel UltraSecure single door with multi-point emergency panic bar exit system, as installed at Overton in Hampshire

Putting the door into adorable

Water, power, transport and other parts of the national infrastructure set the bar when it comes to securing assets, writes Michael Miles, director of Technogroup.

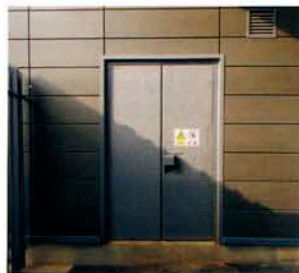
Their security remit covers the spectrum of risks: from theft, vandalism and misadventure to the severest threats - terrorism and espionage – as well as protecting assets in the event of natural disaster, such as flooding. With government dictates on security as a major driver, national infrastructure industries have embraced the use of physical protection equipment certificated to rigorous third party approval systems. These include LPCB (Loss Prevention Certification Board) certification, an internationally respected approval system gaining increasing status for high security applications in all areas, from infrastructure and the public sector, to retail and commerce. LPCB approves façade elements, such as doors, shutters and grilles, to a robust dedicated standard, LPS 1175 (specification for testing and classifying the burglary resistance of building components, strong-points and security enclosures). A widely recognised strength of LPCB is that products are subject to on-going appraisal; approval is not just based on a one-off test of a sample design.

Comply

Through regular audits, LPCB certification ensures that the product continues to comply with the regime's prevailing standards and revisions. This assures the specifier and end-user that the product on the market embodies the exact design and quality as the product which was originally tested and approved. This cannot be said of products certificated through type testing - the test results are no guarantee that future products will provide equivalent performance. Another strength of test regime: it accounts for intellectual strategies that could be used to break through a product's defence, as well as physical attack. Government testing regimes, which are based on type tests, have been the traditional source of approval for high security equipment for infrastructure projects. Now, the benefits of LPCB's on-going audit are being recognised, and it is gradually being endorsed within many sectors as an acceptable alternative.

Approval

These aspects of LPCB provide the basis of a sound and dependable security approval system. Not only is it trusted for the most demanding



Left: UltraSecure LPCB level 4 padlocking twin door - as installed at East Midlands Parkway station, opened near Nottingham a year ago

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Right: Sentinel UltraSecure twin leaf wood clad post-galvanised steel door with cylinder key and lever handle entry system

applications such as infrastructure, it also gives the experienced manufacturer scope to realise cost savings without compromising performance. The latest innovation from Technogroup, the security and structural support specialist, provides a good example of this. The company has launched the first security door to achieve testing and certification to LPS1175 (issue 6) security rating 5, with a single rather than three-point locking device, providing a cost saving to end-users. The development is down to the integrity of the LPCB testing regime and Technogroup's particular design blueprint that has produced one of the most extensive ranges of LPCB approved security products. These include LPCB access covers, doors, cabinets, louver vents, cylinder clamps, enclosures and buildings serving sectors of the security market through the group's specialist brands: Technocover (water), Technorail (rail), and the Technogroup security portfolios for buildings, power and transport. This demonstrates the importance of specifying doors and locks that have gained third party approval of security

performance in combination, and not just as independent systems.

Door options

In this case, Technogroup's LPCB 5 door and the particular design of single point lock used have created a unit that has stood up to LPCB level 5 testing during the certification programme. It introduces the idea that three-point locking is not necessarily a pre-requisite for LPCB approval. In all, specifiers can choose from a possible 90 options forming part of the certification programme for the new Sentinel UltraSecure LPCB level 5 door. This is based on three door types – entry only, exit only, entry and exit – which will each be available with 30 ironmongery options (key and lever handle, solenoid, punch-pad, thumb-turn and lever, full width panic bar, etc). The single lever lock is also available on LPCB approved level 3 and 4 doors. Technogroup are exhibiting on stand E12 at the Counter Terror Expo 2010 at Olympia, London, on April 14 and 15. □



UltraSecure modular building with internal dividing walls (for combined telemetry, equipment and bottle storage), and twin access via an UltraSecure LPCB personnel key entry door plus high security padlocking door

Photos courtesy of Technogroup

About the author:

Michael Miles is director of Technogroup, based on the Powys/Shropshire border. Its brands are: Technocover (security access covers, doors and associated products for the water industry); Technorail (security cabinets, stagings and associated products for rail); Strataform (fire, ballistic and blast resistant partitions and screens for buildings); Jones of Oswestry (steel lintels, landscaping steelwork and drainage); and Technogroup (security access covers, doors and associated products for building facilities, transport and the power-energy industry).

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