

Securing the gateways to organisations

Meesons demonstrate the security performance of entrance systems to LPS 1175



Case study



Scope

Meesons – one of the UK's leading suppliers of anti-tailgating entrance control solutions, including security portals and speed gates – supplies critical national infrastructure projects such as airports, data centres and central government, along with corporate clients and leisure operators.

As an entry control innovator, Meesons were keen to demonstrate the robustness of their security products and approached BRE with the objective of becoming the first company to achieve BRE's coveted LPCB certification for their range of security portals to LPS 1175.

Challenges

The growing threat of criminals and extremists willing to use force to gain entry without fear of making noise has led to specifiers seeking systems that have been demonstrated to resist manual forced entry attacks of that type. These differ from stealthy assaults covered within façade security standards such as PAS 24 and EN 1627. LPS 1175 was therefore the obvious choice.

Meesons' challenge was to develop a range of security portals capable of delivering levels of resistance to manual forced entry to LPS 1175 not previously achieved by any other security portals or revolving doorsets, while retaining the aesthetically pleasing lines available on many of their leading models. Furthermore, Meesons faced the challenge of sourcing curved glazing capable of delivering appropriate levels of resistance and defeating BRE's test engineers – renowned for their forced entry capabilities.

“ BRE's refreshing approach to product evaluation, including onsite factory tests, helped us achieve our objective quickly. LPCB is a highly respected certification mark that is recognised around the world. ”

Jeremy Terry, CEO, Meesons

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Solution

LPS 1175 supports the defence in depth approach used by many security practitioners. It covers a far greater scope of protection measures such as entrance portals alongside other measures used to form perimeter systems (e.g. fences and gates), façades (e.g. hinged doors, curtain walling and roofing systems), internal systems (e.g. partition walls and doors) and secondary security measures (e.g. shutters and grilles).

Meesons engaged with BRE at an early stage in the products' development to understand likely areas of vulnerability. They commissioned BRE to conduct a highly flexible development test programme, allowing Meesons and their manufacturing partners (Alluser Industrie Srl) to learn from the attackers and develop products capable of achieving a range of levels of performance to LPS 1175 (known as 'Security Ratings').

As a result of their forward planning, Meesons were able to adapt their design to suit a range of applications and quickly develop a wide range of entrance solutions, achieving certification of their C190-S1 to S3 range of security portals to LPS 1175: Issue 7 Security Ratings 1 to 3 respectively in May 2018. However, Meesons' ambition did not rest there. They have subsequently gone on to achieve LPS 1175: Issue 8 certification for an impressive 27 different variants. These include their FPJ140 2HP model which facilitates entrance by wheelchair users as well as those with bicycles and pushchairs.

“ Meesons were keen to deliver the first security portals to achieve LPS 1175 and broke new ground in getting there. Like many of our clients, they learnt a great deal during their initial test programme and have quickly gone on to develop a phenomenal range of security portals that offer a range of levels of forced entry protection as well as a choice of aesthetic styles and functionality. ”

Richard Flint, BRE Global

Benefits

Architects and designers are no longer forced to compromise on the levels of forced entry protection they specify for their entrance systems. Meesons' security portals – armed with LPS 1175 certification – provide effective security with highly appealing aesthetic options, which can incorporate anti-piggybacking technology to eliminate the threat of people tailgating into the protected areas.

Meesons' certification can be viewed at www.redbooklive.com



First security portal

to resist manual forced entry to LPS 1175 standards



27 variants

certified



C190 Cylindrical Security Portal – the largest portal in Meesons product range, designed for busy areas with high throughput, replacing the need for a revolving door.

Get in touch

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