



ACOUSTIC DOORS

SAS International has provided over 500 doors to the recently renovated O₂ arena in Dublin. They include both walnut-veneered and fully finished painted doors as well as frames.

As part of the project, SAS manufactured a number of bespoke doors ranging in width from 680mm to 1,810mm and up to 2.26m in height.

A mix of single and double doors,

with and without vision panels, was specified, with fire ratings of up to 60 minutes.

To meet the acoustic requirements demanded in a large music arena, the doors were fitted with acoustic seals and automated threshold strips, while the door frames were installed with acoustic seals.

SAS International
www.sasint.co.uk

Aluminium doors

Schüco has introduced an ADS aluminium door system to the UK that is designed to integrate with its AWS window range. The door comes in standard and heavy duty versions.

The ADS HD – the heavy duty version – is available in three depths: 65mm, 70mm and 75mm. Designed for high-traffic entrances it can be equipped with special barrel hinges that have been subjected to the EN 12400 test regime in which the door is opened and closed 1 million times. It also delivers security ratings up to EN V 1627 class WK 3 and PAS 23/24.

The standard Schüco ADS door comes in a variety of frame depths – 50mm, 60mm, 65mm, 70mm and 75mm. It complies with EN 12400 cycle testing that involves opening and closing the door 200,000 times (to EN standard 12400).

The ADS version is designed for smaller size and weight doors where insulation is important, such as side doors and balcony doors, and can accommodate vent weights of up to 120kg and vent heights of 2,500mm. It offers U-values down to 1.56 W/m²K.

Both versions of the Schüco ADS door are offered with single or multi-point locking as well as panic fittings and can be fitted with

surface-mounted hinges, concealed hinges or new barrel hinges. A choice of handles that fit into the existing award-winning Schüco range provides a stylish finishing touch.

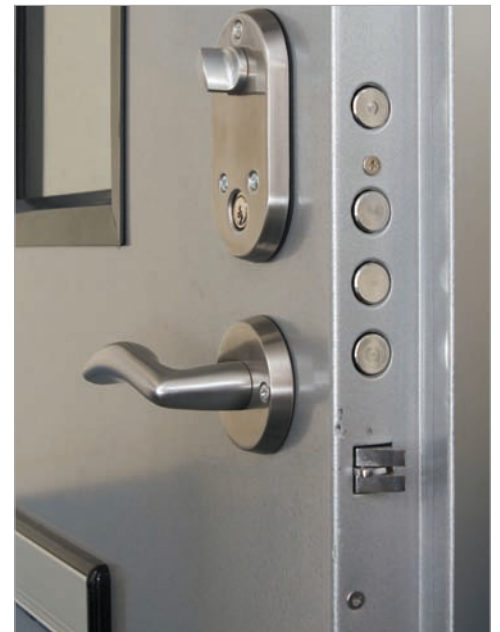
Schüco
www.schueco.co.uk

Secure windows

Mumford and Wood has launched a Secure By Design-approved range of casement windows that are suitable for use in conservation areas. Available to order, the traditionally-styled flush-fitting casements are BFRC A-C energy rated, which exceeds the requirement of revised Building Regulations for 2010, the company claims. The BRE Green Guide certifies the company's environmental manufacturing processes as an A+ rated window, which stacks up maximum credits in the Code for Sustainable Homes.

The SBD Conservation casement also meets Enhanced Security British Standard 7950 as required by Secured by Design recognition. The traditional appearance conceals robust ironmongery to withstand repetitive and extreme impact tests.

Mumford & Wood
www.mumfordwood.com



STEEL SECURITY

Steelway Brickhouse has enhanced its range of access covers and security products with the Bridor range of double-skinned steel security doors. The multi-purpose doors are robust, suitable for internal and external applications and come in a variety of security levels and sizes with bespoke options available.

The doors incorporate an integral anti-jimmy strip to provide extra security as well as a 14-point locking system with 17.5mm door fixed dog bolts. The doors are complemented with security hardware which includes stainless steel lever handles, armoured steel escutcheon plates and BSEN 1935.2002 grade II high-performance steel hinges.

Steelway Brickhouse
www.steelwaybrickhouse.co.uk

REVOLVING DOORS

Royal Boon Edam Group has come up with a design for a revolving door that also generates energy. Although only at concept stage – a prototype has been installed at Driebergen-Zeist railway station in The Netherlands – the manually revolving door incorporates a generator which, as well as controlling the speed at which the door revolves, uses the movement of people passing through it to generate electricity.

Each revolution of the door generates around 50W. A set of capacitors store the generated

energy to provide a consistent supply for the low-energy LED lights in the ceiling. LED scales inside the door indicate the amount of energy that is generated. According to the company it is not efficient to supply the energy back to the mains network through a converter. The system is suitable for a revolving door with a diameter between 1,600mm and 3,000mm, allowing a maximum capacity of about 38 people per minute.

Royal Boon Edam Group
www.boonedam.nl