

Link-sash window launched



Polar Healthcare Windows launched a new link-sash window as part of its specialised ligature reduction range at last month's Healthcare Estates event.

The company said: "This new design offers safe and very easy operation. When lifting the lower sash, the upper sash automatically opens to the same amount, offering maximum air circulation from minimum opening. The window can be freely opened to 125 mm, and locked closed, or in the 125 mm open position. Fitted with a double shoot-bolt locking, it gives maximum security."

Polar Healthcare Windows is part of Polar (NE), a Teesside-based company specialising in the fabrication and installation of commercial aluminium windows, doors, and curtain walling. Its ligature reduction windows have been developed over seven years.

The new windows come with several additional colour options.

Gilgen invests in new service fleet



Manufacturer of automatic and industrial doors, Gilgen Door Systems, is rolling out a new fleet of service vehicles which it says should deliver enhanced service response to customers' door maintenance and repair needs UK-wide.

Its 90-strong van fleet is being upgraded to new Ford Custom and Ford Connect vehicles fitted with the latest GPS tracking technology, and professional parts storage systems. Each van features a Masternaut vehicle tracking system, 'enabling total visibility of assets and vehicles within the fleet'. The technology captures information about vehicle location, speed, and distance. Gilgen's national service planning and dispatch centre has real-time access via a dedicated web portal.

Safevent meets tough US standards

Britplas's Safevent window has been fitted throughout The Green Mountain Psychiatric Care Center, a new eight-bedded Level 1 inpatient psychiatric unit in Morrisville, Vermont.

After Kevin Gorman, chairman of UK-based Britplas, held initial talks in 2012 with Francis Pitts, from New York-based Architecture+, the architect visited Britplas's Warrington headquarters, and saw the Design in Mental Health Network's 'Better Bedroom'. Although greatly impressed with the design and integrity of the Safevent window, he advised that the tests devised for the UK market would not be acceptable for inclusion onto the supply chain for the New York Office of Mental Health.

Britplas then undertook the relevant rigorous testing required for the US markets – including air, water, and



structural testing (AAMA/WDMA/CSA101/I.S.2/A440), for an AW rating, ASTM F588 Forced Entry Resistance tests, and Human Impact 'Drop Tests' – before tendering, subsequently winning the contract.

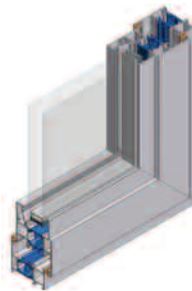
While localised, experienced labour provided by the main contractor was used throughout the installation, Britplas provided professional site supervision and fitting back-up

Kawneer products via bimstore

Products from UK architectural aluminium systems supplier, Kawneer, are now available through bimstore.

Downloadable in the Revit format, and also available on request as IFC files, Kawneer's curtain walling, windows, and doors for façade applications, are now available through the UK's largest BIM portal, www.bimstore.co.uk, as well as through the Kawneer website.

The Kawneer portfolio includes the AA 100 and AA 110 curtain walling, with 50 mm and 65 mm sightlines respectively,



190 heavy-duty, and 350 severe-duty, commercial entrance doors, and the AA 541 casement window.

Kawneer's BIM models provide 3D digital replicas of the products, and 'the critical COBIE data' which an architect will need 'to guide them through the design and construction process'.

Kawneer sales and marketing director, Mark Clemson, said: "Kawneer embraces BIM as a core best practice for ensuring the very highest ROI for its clients over the entire lifetime of a building."

Reducing disruption during upgrades

A new version of the company's 'safe-door system' for mental healthcare applications, that allows doorsets to be replaced within two hours – developed following customer feedback about the cost and disruption of decanting service-users for doorset replacement – has been introduced by Safehinge.

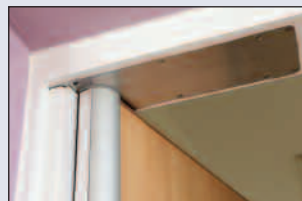
SWIFTdor maintains the 'superior safety levels' of Safehinge's original safe-door system, Symphony, but now also incorporates a rapid installation frame. The company said: "There is no complicated preparation work prior to installation, and the built-in architraves cover the wall surrounding

the opening, so there is no need to redecorate afterwards. The frame's robust construction means it can withstand the toughest knock and bumps."

Like Symphony, SWIFTdor 'offers maximum safety for service-users and staff', with its anti-ligature, anti-barricade, and fire-rated design. Its discrete aesthetics 'help deinstitutionalise' mental health environments,

Symphony, which won the Product

Innovation of the Year at the Design in Mental Health Awards 2014 dinner, and SWIFTdor, were developed in partnership with DORMA and Primera Life.



Savvy specifiers switch to Smartair

Assa says its SMARTair wireless access control system is proving a popular specifier choice, 'providing cost-effective door management without the associated complexity'.

Assa, part of Assa Abloy Security Solutions, is 'helping to centralise security systems' through SMARTair, by allowing administrators to easily grant access or block user proximity credentials for lost or stolen cards etc.

SMARTair is 'fully scalable, meeting access control requirements for any size of building'.

Assa has recently announced updates to the range, with the introduction of the SMARTair Knob Cylinder Double reader version of its euro profile cylinder, allowing use of an RFID card or tag to both enter and exit a door. Available in all SMARTair reading technologies, the new version is easily integrated into existing SMARTair access control systems.



Fire kit packs for latch locks

Manufacturer of standalone access control products, Codelocks, now offers fire kit packs – available to order online immediately – for its mechanical and electronic latch locks that, when fitted, enable the locks to be installed on 30- or 60-minute fire-rated doors.

The fire kit pack contains shaped pads of intumescent strips that can be used on new or existing lock installations. "We've been getting more and more enquiries from customers wanting fire-resistant door hardware, and, as a result, we've introduced this quick and easy solution," explained Codelocks product manager, Dominic Ryan.

The intumescent strips are reportedly easy to fit – 'adding only a few minutes to the installation time for new locks, and approximately 30 minutes for existing lock installations'. The product has been tested in accordance with BSEN1634-1:2008.

Trapped finger issue addressed

Door hinges, and small fingers getting trapped in them, continue to pose a health and safety issue in many sectors.

Such scenarios could, however, soon become less frequent, with Intastop's launch of a finger safety hinge which should prevent fingers being caught in the hinge opening side of the door.

Intastop explained: "The unique continuous geared mechanism allows door hinges to rotate smoothly without creating the typical gap where small fingers can fit."

Alongside its safety benefits, the Finger Safety Hinge is impact-resistant, and 'discreet enough to be aesthetically pleasing'. Intastop added: "Performance tested to 1.5 million cycles, it is robust enough to support any level of usage, and guaranteed to last the door's lifetime. This



makes it commercially viable in comparison to traditional (knuckle) hinges, which may require regular replacement in heavy traffic areas. Little or no maintenance is required, due to the even weight distribution of the door in comparison to alternative hinges, where the weight is centred in certain points."

The Finger Safety Hinge is fire tested to BS476: Part 20 & 22 for 30 minutes.

Patient control, safety, and security

Designing an environment to protect vulnerable young people with mental health needs, with a calming and rehabilitating feel requires, thoughtful, considered design.

When the clinical team at Greater Manchester West Mental Health NHS Foundation Trust (GMW) set about replacing the existing McGuinness unit

with a new adolescent inpatient mental health facility, in Prestwich – 'Junction 17' – they turned to glazing specialist, Fendor, for window supply.

Having considered the best choice from a patient, clinician, and Trust standpoint, Fendor's patented CleanVent window was chosen – it offers anti-ligature protection, and gives patients control over natural ventilation. The embedded frame allows access for cleaning, it is simple to operate, and has a large clear pane. The CleanVent provided the high level of thermal performance needed without compromising safety or security. Fendor also installed curtain walling, and top-hung windows to communal, supervised areas.



Heavy duty door meets standard

Technal says that, following extensive independent testing, its new SOLEAL high performance door, specifically developed for areas of heavy use, now meets the PAS 24 standard for enhanced security.

PAS 24: 2012 provides a method for testing and assessing the enhanced security performance requirements of external doors and windows, giving assurance that doorsets can withstand a series of measured manual and mechanical tests that simulate common methods of forced entry.



Technal's SOLEAL single and double leaf rebated door – in both 'open-in' and 'open-out' configurations – 'surpassed the PAS 24 standard, and achieved consistently excellent test results, with very minimal enhancements to the fixing of the hinges, striker, and lock'.

The locking system has, as standard, a half-turn deadbolt, roller lock, and deadbolt, a two-point cylinder lock, and a two-point lock with a square spindle. The door also offers multi-point locking. Hook lock or top and bottom shoot bolts for doors over 2.25 m high can be supplied.