



architectural
ironmongery
journal

no.148 issue 1 2013

advancing architectural ironmongery



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I don't know about you, but whenever I tell people outside the trade that I'm involved in the architectural ironmongery industry, I am met with one of two reactions. Either people think it's all about wrought iron gates. Or they think it sounds like a pretty inconsequential and obscure field to be in. Cue an impassioned speech from me about the importance of hardware to the safety, security and accessibility of every building they've ever visited.



That's why it was such a particular pleasure to attend the GAI / RIBA Specification Awards at London's St Pancras Hotel. An opportunity to celebrate the very best in architectural ironmongery in all of its splendour and practical importance. The quality of the projects that were shortlisted, commended and those that won in each of the categories was outstanding. The Scottish National Portrait Gallery (by Allgood plc and Page/Park Architects) was a worthy Winner of Winners - a striking combination of 19th century design and craftsmanship with the fire safety, security and convenience required in a 21st century public building.

It's occasions like these that make it easier for all of us to shout about architectural ironmongery with renewed vigour!

Helen Curry

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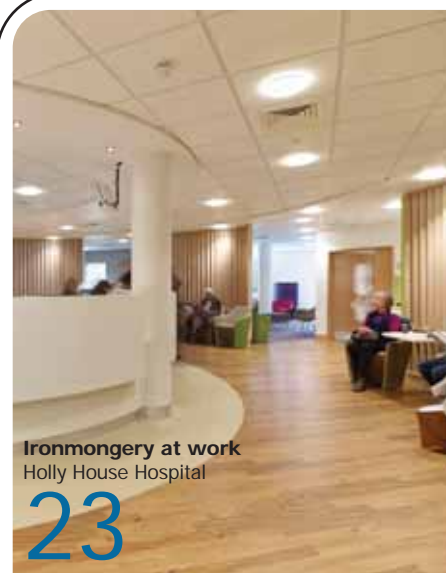
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industry news

Lincoln certified... Simonswerk gets approval... DORMA in Dubai

SIMONSWERK RIBA APPROVED CPD

SIMONSWERK has launched its first RIBA approved CPD which will provide architects with the technical knowledge for specifying the correct hinge for the right application. The presentation offers guidance on Door Specification, Legislation, Building Regulations, Fire & Safety in use, CE marking – MANDEC and the Equality Act. SIMONSWERK has over 30 years experience in the manufacture of top quality brass, aluminium and stainless steel hinges for doors, windows & conservatories. Ranges include the outstanding fully concealed TECTUS system and the increasingly popular TRITECH solid brass hinge with concealed bearings and load capacity to 160kg.



LINCOLN SECURITY ISO 9001:2008 CERTIFIED

Lincoln Security Ltd are an independent provider of bespoke and security solutions and have recently been certified to the International Quality System ISO 9001:2008 following a detailed, independent audit commissioned by BRE Global Ltd.

With a nationwide operation, Lincoln Security provide electronic and mechanical security solutions to clients' individual requirements, the certification of ISO 9001:2008 further reinforces the company's commitment to meet and exceed customer expectations at all times.

"WORLD OF ACCESS" IN DUBAI

DORMA has announced its plan to launch its first showroom in the Middle East in Dubai. Their 280 square metre "World of Access" interior showroom will be located on Sheikh Zayed Road and will provide display space to architects and corporate vendors.

DORMA is the first company to introduce this novel showroom in the region, the first of which was produced in New York. Speaking on the brand's concept taking shape, Ben Shaw, Regional Director DORMA Gulf said, "Working towards achieving DORMA's corporate vision to be a high performance global company creating value through a full range of premium solutions, we look forward to providing our customers and stakeholders with an experience like no other. Through this showroom, architects, contractors and customers will not only get to see the products come to life but experience an entirely different side of DORMA products."





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people news

GEZE plans for growth...Carlisle changes...Harbrine promotion



CHANGE FOR CARLISLE

Jason Anderson, the divisional managing director of the Carlisle Brass Group, has left the business in February to take up a new role in a different industry. Martin Wardhaugh is now responsible for the Carlisle Brass Group businesses, in addition to his portfolio of fenestration hardware business in his new role of divisional managing director for hardware. Martin will also be recruiting a managing director for the Carlisle Brass business over the next few months.

Arran Isle Group Chief Executive Robert Barr said: "Jason leaves with our sincere thanks and very best wishes for the significant contribution that he had made to the Group over the last 16 years. Carlisle Brass is in good health, has a strong management team and is very well positioned for future growth."

GEZE UK'S NEW MD OUTLINES PLANS FOR GROWTH

GEZE UK's new managing director Kaz Spiewakowski has set out his plans to reinvigorate the company, promising a subtle change of approach designed to build on GEZE's reputation and maximise the experience of its staff.

"Our people, our products and our reputation are fantastic assets," he said. "Despite challenging trading conditions, our year on year sales growth is proof that we are still leaders within this sector and we must build on these strengths as we move forward."

"But while I'm upbeat about our potential, it's important that we make this change of leadership an opportunity to evolve. We must refresh our approach and embrace new challenges, with a renewed focus on enhancing customer service, improving operational delivery and maximising the skills of our staff."

Previously managing director of Exidor for six years, Kaz began his career as an engineer, learning his trade at component and sub-assembly manufacturers within the motor, electronics and consumer goods industries. "Because of my engineering background, I am interested in the details of a business," he added.

"This gives me a unique perspective which can help bring about real change within the business. Organisational changes designed to make our sales functions more effective will be followed by a review of processes and systems that deliver the projects with the aim of improving performance in these critical aspects of the business."



HARBLINE PROMOTES FROM WITHIN

Laura Glazier joined Harbrine Limited in July 2008 and has been described as a tour de force in the Contracts Coordinators role. She is also a DipGAI qualifying in 2004 with the bronze medal and in 2012 she was one of the first to qualify as a DipFD in the GAI/BWF Fire Door Inspection Scheme.

Laura now moves into a new and exciting external sales role covering Essex, Kent and the London area. Laura will be mentored in her new role by Nick Hancock Sales Director and Wayne Harris, Director and past GAI president. Laura said "I am looking forward to the new challenges ahead and in further developing my career with Harbrine".



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gai matters

Our regular roundup of the latest news, views and developments within the Guild of Architectural Ironmongers

aijdiary dates

MAY 2013

Greenbuild Expo 2013 Manchester

Date: May 08 - May 09, 2013

Venue: Manchester Central, Petersfield, Manchester

Description: An event designed to help the construction industry adapt to the growing importance of the sustainability agenda.

GAI AGM & Conference

Date: May 17 - May 19, 2013

Venue: Carden Park Luxury Country Hotel, Chester

Description: The key gathering in the architectural ironmongery sector calendar, bringing together all of the industry's key movers and shakers from both the manufacturing and distribution sides of the business.

Ecoshowcase Construction Roadshow - Coventry

Date: May 21 - May 21, 2013

Venue: Ricoh Arena

Description: Regional exhibitions of sustainable products and solutions for the entire construction process, from the ground up, combined with authoritative educational seminars, focusing on key sustainability issues, government directives and legislation.

Conrad Sandler (centre) together with Phil Newson (left) and Gary Amer



AN OUTSTANDING CONTRIBUTION

The GAI has bestowed its most prestigious award, the GAI Medal for Outstanding Contribution to former President, Conrad Sandler, MD of Fulham Brass Ironmongery and one of the founding fathers of the GAI.

Conrad worked on the GAI Executive Committee for many years culminating in becoming Chairman of the Guild in 1976. He was one of the first lecturers when residential courses began, teaching about escape and panic hardware in addition to being Chairman of the British Standards Institute committee representing the GAI on the first ever BS produced on Panic Hardware. He also inspired the creation of the GAI's Technical Committee.

In total, Conrad has been in the industry continuously for 55 years, and at 75 still runs a retail architectural ironmongery business in Fulham. He was presented with his GAI medal at a special lunch by current GAI President, Phil Newson, and GAI Chief Executive, Gary Amer.



HONG KONG INSTITUTE COMMITTEE ANNOUNCED

The Institute of Architectural Ironmongers (IAI)'s new Hong Kong Branch has officially formed a Committee with 7 members who are actively contributing to the door hardware industry in Hong Kong.

Pictures from left to right: Vice-Chairman John Tibbs (Laidlaw Asia), Steering Committee Member (Events) Irene Yip (Assa Abloy Hong Kong), Treasurer Evan Tsang (Sino Land Company), Administrator Sharon Cheung (Key Technologies International), Chairman James Wong (Key Technologies International), Steering Committee Member (Marketing) Alfred Wai (Barwin Metal Company) and Steering Committee Member (Events) Jones Wong (Key Technologies International).

EURO ★ SPEC

ARCHITECTURAL HARDWARE



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BS EN 1154



FD30/60/120



FD120/240



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- CAM ACTION

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gai matters

Our regular roundup of the latest news, views and developments within the Guild of Architectural Ironmongers

IT'S A FAIR COP

The GAI has updated and revised its Code of Practice on Hardware for Fire and Escape Doors to reflect recent changes to British and European standards and UK legislation. The main changes anticipate the start of mandatory CE marking of essential hardware for fire and escape doors from July 2013,

The CoP, which is jointly sponsored by the GAI and the Door and Hardware Federation is now an accepted part of fire door regulations and is listed in several important fire safety documentation including Approved Document B, making it the essential reference work for anyone working in the provision and maintenance of fire and escape doors and their hardware.

It is available to browse online or as a free download at www.firecode.org.uk

Code of Practice:

Hardware for Fire and Escape Doors



Issue No.4
November 2012



SLICKER AND QUICKER



Keith Maer conducting a tailor made in-house training course

The GAI's education programme is recognised in the UK as the benchmark qualification in the sector. Now, in recognition of the changing nature of modern business models, the GAI has revamped and redesigned the scheme's Level Three residential courses to make them slicker, quicker and more cost-effective than ever before. This includes holding a training course in Dubai to reflect the growing popularity of GAI training in the region.

The course covers both parts of the level three syllabus: Scheduling and Business Studies and this year the GAI has worked hard to make its Level Three training more flexible, accessible and

affordable than ever. The course is both manageable but intensive as it is concentrated into three days (instead of two weeks) meaning less time out of their business for students. "We've listened to comments and concluded that separate courses over two weeks are just not conducive to modern working pressures," says Keith Maer the GAI's Education Manager. "Students are still expected to put the hours in with longer days and more intensive study, but the new course means less time away from the workplace."

The GAI is running courses in London, Birmingham and Dubai this year but if a company has a sufficient number of students completing the level three course, the GAI can send a team of

trainers into the company to carry out training in-house, tailor made to the students involved. The GAI also runs three-day courses for levels one and two students.

The GAI's three year course covers all aspects of architectural ironmongery and is constantly updated to reflect changes in the industry. There are three levels to the programme and success in the third leads to the award of the GAI Diploma. Each level is designed to be completed comfortably in a year. Like all high quality training programmes, the GAI's programme is extremely comprehensive, and by the end of Level 3, students have covered every conceivable aspect of architectural ironmongery and gain a GAI Diploma.



GAI AGM - KEY GATHERING IN MAY

The GAI has unveiled its plans for its annual conference in May of this year. The event, which will take place over three days from Friday 17 May to Sunday 19 May at Carden Park Luxury Country Hotel, Chester, is the key gathering in the architectural ironmongery sector calendar, bringing together all of the industry's key movers and shakers from both the manufacturing and distribution sides of the business.

"The Guild of Architectural ironmongers is the voice of the industry – the only body which truly speaks for the whole trade – manufacturer and distributors, individuals and companies," comments Gary Amer, the GAI's Chief Executive. "Our conference is an excellent opportunity for members to hear about the latest developments affecting the industry from keynote speakers and meet colleagues, customers and friends old and new in a relaxed setting."

The GAI's AGM forms the first part of proceedings, where John Jefferies of Laidlaw Interiors Group will be invested as GAI President. This will be followed by speakers on topical subjects and networking opportunities.

Further details will soon be available on the GAI website www.gai.org.uk



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the aij meets

Neil Ashdown,
Manager Fire Door Inspection Scheme

FIRE DOOR MAN

With the launch of the
next phase of the

**Fire Door Inspection
Scheme (FDIS)** now

successfully complete,

Helen Curry talks

to the new scheme

Manager, **Neil Ashdown.**



The FDIS is Europe's first scheme to enable door industry professionals in the UK to support property owners and responsible persons under the Regulatory Reform (Fire Safety) Order and equivalent legislation to inspect, audit and improve the condition, maintenance and safety of fire doors. Introduced Oct 2005, effective from October 1st 2006, the RRO brought into sharp focus the need for increased fire safety and reduction of fire hazards in existing buildings.

"Whilst there is a great deal of expertise in the UK concerning fire doors and their critical role in saving lives and protecting property, up to now there has been no formal recognition of this professionalism," says Neil. "This has made it difficult for those with obligations under the RRO to choose the most appropriate people to help them, and, worryingly, has left a gap in which less than competent people may be inspecting, maintaining and installing fire doors incorrectly and unchecked. The launch of Certificated Inspector means that building owners will be able to engage the services of competent and qualified people to carry out fire door inspections and maintenance."

This is why the GAI and BWF-CERTIFIRE Fire Door and Doorset Scheme got together to set up FDIS in 2012.

The scheme has a number of important aims:

- To provide education
- Provide a credible qualification in fire door inspection
- Facilitate on-going learning
- Create a further vocational qualification for Architectural Ironmongers
- Provide access to competence in the form of independently accredited Inspectors
- Create commercial opportunities for members


Last year the FDIS launched a very successful FDIS Diploma qualification, an online learning resource which provides education in all aspects of fire doors and the hardware on them.

Anybody wishing to gain a FDIS Diploma can register on the FDIS website [www.fdis.co.uk] and work through the education modules, and then book and sit the final FDIS Diploma examination at a local test centre. Successful



candidates will be awarded the Diploma in Fire Doors and will be entitled to use the designation DipFD after their name.

Once a candidate has successfully achieved the FDIS Diploma, they can now undertake an online transition module before being audited and assessed independently by Exova Warringtonfire. The assessment covers checks to ensure that knowledge gained from undergoing the Diploma is being applied, that the candidate demonstrates an understanding of the importance of carrying out accurate inspections as well as providing clients with high quality feedback and professional reports. "An Exova expert will assess the candidate's competence during an inspection of around six to ten doors, lasting for about four hours," says Neil. "They will observe, and ask questions giving



// When it comes to life safety issues, it's not about selling cheap and cutting corners, it's about getting it right. //

a pass or fail on the day, with feedback as necessary."

"The FDIS Inspector scheme is a great business opportunity for AIs – it allows them to offer a genuinely professional service and, consequently to charge professional rates," says Neil. "It's definitely not just for techies; it is for business professionals and AIs – anybody with an interest in fire door safety."

The transition module offers candidates a thorough education showing how to carry out a fire door inspection. As well as the technical criteria for inspecting the doors, it also covers contractual matters and how to record and report findings.

Once they have proved they have the competence to meet the required FDIS standard and committed to working to the FDIS Code of

Conduct, Certificated Inspectors are provided with support tools including:

- **access to the FDIS database that records and reports on all aspects of fire door inspections**
- **template inspection reports**
- **the unique FDIS labelling system**
- **template contracts**
- **sales tips**
- **sales leads**
- **discounted insurance deals**

As people qualify to become Certificated Fire Door Inspectors, their details will be added to a web-based searchable database to help anyone with legal responsibilities for fire safety to find a qualified person to ensure the safe functioning of all their fire doors.

This will be followed by the introduction of a database of all FDIS Certificated Inspector led fire door inspections in the UK, which is set to become the most comprehensive, accurate and secure on-line source of information available to building owners, fire professionals, risk assessors and others.

Opportunities for AIs

Neil is keen that AIs and other GAI members take up this opportunity. "The Diploma has been taken up really well by GAI members," he says. "Now we need them to be more aware of the Inspector scheme and the opportunity it offers them." Neil is convinced that there is plenty of work out there for fire door inspectors "You only have to walk round any public building to see that fire doors are often in a woeful condition and could represent a real risk to human life if the worst should happen."

Neil joined FDIS as General Manager last year after a long career in the timber trade. He started working for a timber merchant aged sixteen, eventually setting up his own timber business in 1994. After building a reputation for service and expertise, Neil and his partner were approached by door manufacturer Jeldwen to set up business producing non-standard doors. "I started Door & Joinery Solutions in 2003 and loved the energy and excitement that a start-up business generates," he said.

It was when he was running this business that Neil first heard about FDIS. He decided to undertake the Diploma course – which he passed in four weeks. "As a businessman, I saw the business potential of FDIS, and put my money where my mouth was by doing the Diploma," he says. "In fact, if I weren't doing this job, I would be out there, doing inspections myself!" Fire door sales have held up quite well during the recession, because they offer added value to a building. "When it comes to life safety issues, it's not about selling cheap and cutting corners, it's about getting it right."

Since getting involved in the AI trade, Neil has been very impressed with the level of expertise in the industry. "AIs are very receptive to the idea of training and continually upgrading their knowledge," he comments. "And I know the new FDIS Inspector module will be an exciting way for them to improve and grow their business in the future."

For more information about FDIS visit www.fdis.co.uk or call 0844 801 1518.



It seems to be a common story in the AI trade but Borg Lock's MD, John Hyslop has been in the hardware trade since he left school. "I was bored at college, and, like so many young people, I wanted to work and earn some money," says John. He saw an ad for a Trainee Buyer at G Cartwright (a merchant AI) and got the job. Working on the ironmongery side of the business, John stayed with Cartwright's for 10 years in two stints, working for Grahams in between.

From there John moved to PC Henderson setting up Henderson Hardware – a time he still remembers with great fondness. "It was a pioneering time, growing the business from nothing to a really profitable enterprise," he remembers. "We were bringing in product from all over the world like door closers from Korea and there was a lot of travel to source product that was competitive but of the right quality."

During this time John moved from his native Yorkshire to Essex where he still lives and works today and helped grow the business to a £9million turnover, eventually becoming Brand

Director. After being taken over by Hepworth, the company has what John describes as "a good couple of years" before the company's strategy changed and the business was sold to the Hometime Group.

It was at this point, in 1996, that John set up Borg Locks, originally acting as an agent for some Chinese factories in the UK but then setting up Borg as a product line in its own right. "It all started really when one customer in the North West needed some good quality push button locks and I decided to supply them," he recalls. "It all started from that one customer and grew from there."

Finding a niche

"We are not a big company and we have got some very big competitors," reflects John. "So what we do is to look for a niche and design a solution to a particular problem or customer requirement," says John. "This allows us to remain a strong position and not chase prices."

Borg products are manufactured in China but, because Borg owns the factory itself, it is able to strictly control product quality and to continually drive through product innovation. Because many of Borg's products are increasingly complex, the company is bringing more production and

// So what we do is to look for a niche and design a solution to a particular problem or customer requirement. This allows us to remain in a strong position and not chase prices. //

Helen Curry
meets MD of
Borg Locks,
John Hyslop,
and finds out
why Als are at
the heart of the
business.

assembly back to the UK. "Our Chinese factory is managed by our partner Rudolph Wong who carries out extensive testing at the factory, and I travel there frequently," says John. "In our business you cannot afford to relax, you need to be vigilant all the time."

One example of this innovation is the new BL6000 for UPVC doors, a unique patented design which works with multi-point locks "When we first launched the BL6000 we encountered a wide range of multipoint locks some of which we had never heard of!" says John. "We looked on this as an opportunity to gather vital market information which has now been used to make some significant design changes making the BL6000 more versatile, easier to install and more user friendly."

"We are developing a brand new 'ali' latch with an 8mm square follower to work with the 6000 series. We have already produced a prototype which works very well, and the response from customers confirmed that the combination of the narrow 6000 housing with a 28mm backset latch will make it ideal for commercial applications where a heavy duty lever operated access control on both sides of the door is needed," he concludes.

Despite difficult trading conditions, Borg is finding business to be reasonably steady and the company has big plans for 2013. "We are planning a number of new products to keep the business fresh. A new catalogue and web site will also be keeping us busy," says John.

Most of Borg's customers are Als and wholesale distributors with a smattering of locksmiths. But the company is determined to diversify into different markets to ensure its continued success. "For example we are moving into gate locks which is taking us into the fencing and perimeter security sectors," says John. "We never go direct, however, always through distribution."

Personal service

Borg prides itself as being different to its competitors. "With only 3½ people in the business, we're small enough to give a personal service and we know our customers on first name terms," says John. "Because we are specialists we have unique products which allow our customers to make good margin."

Borg is keen to tell Als about a number of new products which John believes could offer ironmongers a real opportunity. The first is the 7000 series which John describes as "a big handsome beast"! Despite being designed and built to meet a heavy duty specification for high traffic areas, it shares the same footprint as the Unican 1000 & 5000 as well as our own BL 5000 series, so it is perfect for retro-fit solutions. Code changing is completed on the door in a matter of seconds making it ideal for situations where regular code changes are necessary. Both code changing and free passage are actuated from the inside handle via the code change key preventing unauthorised code change attempts. A free access mode and an un-clutched free acting handle complete the BL 7000 series heavy duty specification.

"Als are learning more and more about push button locks and we have taken on Russell Cook in the last year to help spread the Borg message more in the trade," says John. In addition, John is a DipGAI himself – he took his exam in 1976 when he was at Cartwright's. "The company put a lot of people through the programme because Ian Firth was the MD and he really believed in training – we used to compete amongst ourselves to learn the most." Als remain at the heart of the Borg business, and that's where John is happy to keep them.



DECLARATION OF PERFORMANCE

Jacky Sinclair, the GAI's Technical Consultant, shares some answers to questions which have already arisen in connection with the **CE marking of door hardware and the provision of DoPs**. For more detailed information, see the Technical Guides to the CPR nos. 1 and 2 on the Technical Section of the GAI website, available to GAI members.

Q *Do CE marked products sold to door manufacturers need a DoP? Because they will then be fitting them into their own CE marked product, a doorset, and producing a DoP for this.*

A Yes they do need one, but this will be the DoP supplied by the product manufacturer, and made available (hard copy or electronically) down the supply chain. (The door manufacturer will need to see/retain a copy of the DoP for a CE marked product he incorporates into his doorset.

Q *I understand that all sales of CE marked product to Architectural Ironmongers, Builders Merchants etc. have to have a DoP, and a record kept for 10 years. What form must this record take?*

A Not specified. It must be sufficient for the purposes of traceability of the sale/purchase. Your existing accounts/trading records might be detailed enough.

Q *If we are NOT re-branding a product and therefore selling it under the supplier's name and product code, do we need to produce our own DoP or can we just simply supply to our customers the DoP we will obtain from the supplier?*

A You sell with the manufacturer's DoP. (See Guide to CPR – 1, on the GAI website)

Q *If an AI sells products under his own references (not own branded as such) as many do, can we still issue the manufacturers DOPs or would we need to do our own with our references on them?*

A If, when it leaves your warehouse, it is branded with the manufacturer's name, then his DoP is the relevant one.

Q *Where we are re-branding a suppliers product i.e. selling under our own brand and giving it our own product code, what is the process? Am I correct in thinking that our product code needs to be registered against that item with someone before we*

can produce a DoP?

A With the original DoP supplier's permission and agreement of the original Notified Body, you use their data to produce a DoP with your name and brand on it. Basically, you're badge-engineering a DoP, but it has to be logged with the Notified Body, so they know product A for which they issued an EC Certificate will also be sold under the brand name product B. By issuing a DoP, you take on full responsibility for the product's performance. (See Guide to CPR – 1, on the GAI website)

Q *To produce DoPs in our own name, do we need ISO 9000?*

A Not for badge-engineering purposes, though any supplier has a duty to ensure that a CE marked product is not adversely affected or damaged whilst in his storage or transport. If you modify the product in any way – e.g. have it sprayed a different colour; add an accessory – then you would need to have periodic Factory

The HI-LOAD H206S-400 hinges offer a sleek and angular aesthetic that echoes the straight lines of the door frame for a more coordinated look.

HI-LOAD hinges are designed for longevity as a 'fit-and-forget' solution and are maintenance free. In addition, HI-LOAD's construction creates exceptionally low resistance to door opening/closing and importantly, ensures a high level of performance throughout the hinge's lifetime. HI-LOAD hinges have a 25 year performance guarantee.

Detailed design is available at Royde & Tucker
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HI-LOAD - Hinges²

HI-LOAD is a Royde & Tucker registered trademark

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Inspection Control inspections, but this is not full-blown ISO 9000. The product would probably need re-testing at least in part after any modification, to ensure the declared performance was not affected, or to amend the declaration. (See Guide to CPR – 1, on the GAI website)

Q *If we have to produce our own DoP, how do we go about it?*

A The GAI has produced user friendly templates for its members these are available on a dedicated website which is only accessible through the Technical Section of the GAI's website. On the home page, you'll find a "Guide for completing a Declaration of Performance" which you should download, as it has essential information to help you create your declaration on-line. Then you can select the right template for your product group from a drop-down menu. You then fill in the various fields answering the prompts provided on the form. (It's rather like filling in a contact form, but with much more technical content.) There's the opportunity to upload your company's logo and an electronic copy of the signature of the person responsible for issuing the DoP. This makes the finished product look professional, as well as legally compliant in its format.

When you've completed the form and pressed "submit", the finished pdf will be emailed to you

in minutes. You can use the facility as often as you like, so if you've made a mistake in your first attempt, just delete the file from your computer, and start again.

Q *Come the first of July, do we need to ensure that all CE products have fixing instructions supplied?*

A Most of the standards already require fitting instructions to be provided, and rightly so. This is a legal protection. On the GAI DoP templates we include the phrase "when fitted in accordance with the manufacturer's fitting instructions" in the field for "intended use". This stops claims being made where an architect or carpenter gets a brilliant idea for using the product in a way we never envisioned or anticipated. We've all seen a few in our time! The only case I can think of where instructions are not mentioned is hinges, but the standard refers to "technical documents" which give info such as recommended frequency of lubrication. In short, there should be some sort of information supplied to show the limits of a product's application, and its future maintenance. Decent fixing instructions will cover this for products such as closers and panic bars. It might be more minimal with locks and hinges, but it's unwise to provide nothing. (Remember, you have to supply maintenance information to comply with Building Regulations.)

Q *Do we have to put a DoP in every product too? Or can we just mention on the fixing instructions that it is available on our website?*

A The DoP can be made available electronically. (See Guide to CPR – 2 on the GAI website.) The CPA is negotiating with Trading Standards to establish what's acceptable in terms of access. A web address that goes straight to the pdf is OK, but less direct routes might not be, such as referring to your home page, and leaving folk to trawl through the menus to find the right DoP. We'll know by end March at the latest what the recommendations are. (The CPR gives no guidance on what's acceptable, so it's up to each Member State's national authorities.)

Note that you are obliged to supply hard copy to anyone who requests it. It is correct to have a telephone number on the CE information supplied with the product that will enable someone to contact you for a paper copy.

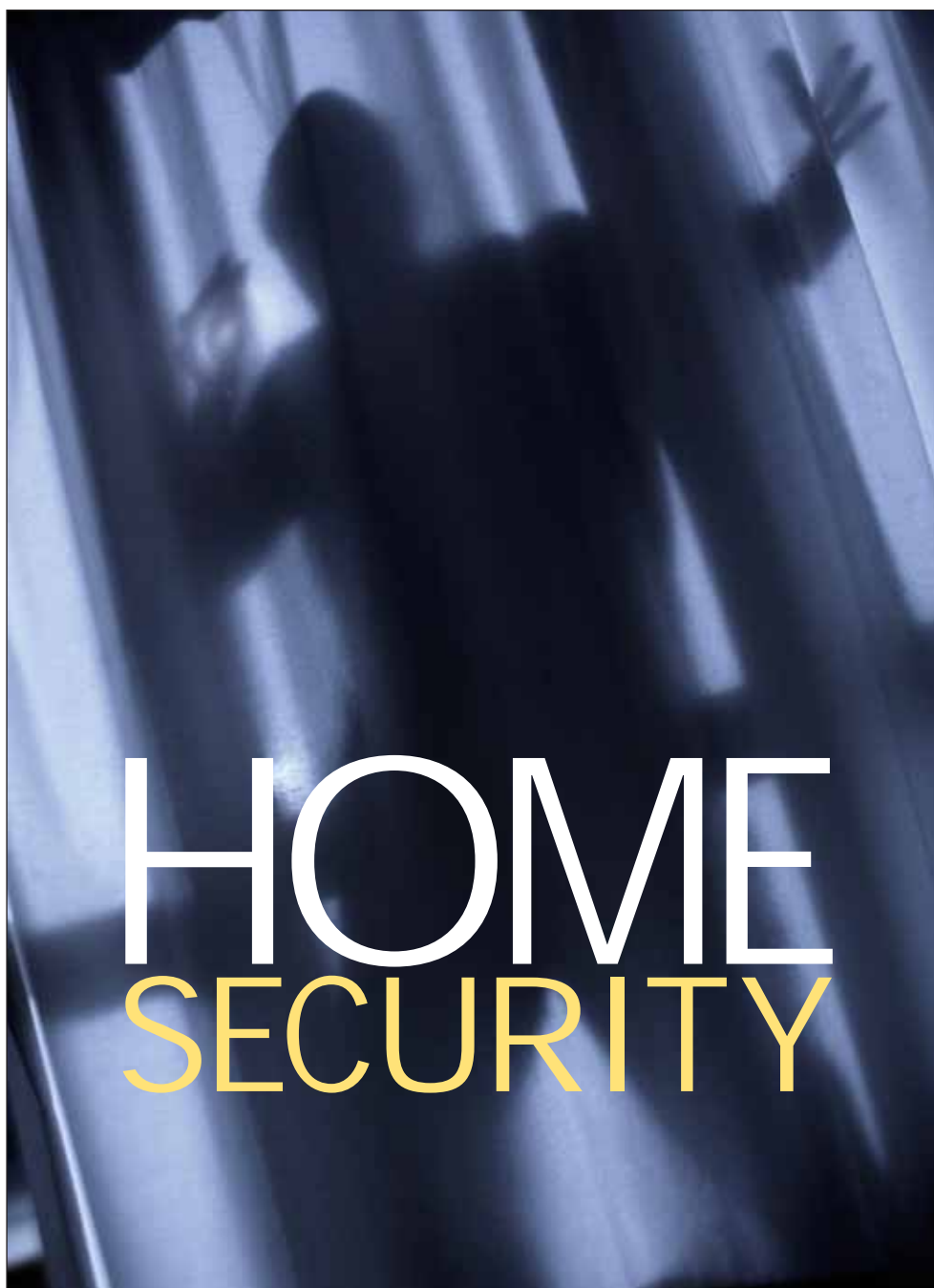
GAI members with a question about DoPs which is not answered here, can email jacky.sinclair@gai.org.uk or phone 01952 414411. The GAI's Technical Consultant, Jacky Sinclair, will do her best to answer your query. Questions submitted will be added to the Q&As site, but all names and brand references will be removed to ensure anonymity.



H206S-400 Hinge in satin stainless steel

Double-Action Pivots &
Emergency Releases

HI-LOAD™ Hinges



Following the publication of an article on comparisons drawn between **PAS 24** and **BSEN1627-30** in the **Autumn 2012** issue of the AIJ, **Mark West**, of Exova addresses some of the issues.

The introduction of BSEN1627-30 – and the reported demise of PAS 24 – is one of the thorniest issues facing the AI trade at the moment, particularly the issue of the number of classes of resistance and the levels of equivalence between the new standards and PAS 24.

Due to the advent of European product standard EN14351-1 any British Standard (BS) replicated by a European standard (EN) is deemed to be in conflict and must be withdrawn.

PAS24, the enhanced security standard for doors, has been rewritten to provide continuity of enhanced security requirements in the UK. As a result, PAS24:2012 was issued on 31 August 2012.

Doorsets are now tested to PAS24:2012 Annexes A & B, windows are tested to PAS24:2012 Annex C.

Existing certification to STS201 for PAS 24 doors

It is not the intention to increase the security of doors, the requirements for a door to achieve PAS24:2012 will be no greater than for one previously achieved PAS24:2007.

Customers with existing test evidence and certification to PAS24:2007 via CERTISECURE specification STS201 will notice no change, over the next 12 months audit tests will be carried out to PAS24:2012 Annex A & B as part of their 2012/2013 audit schedule, at which point their certificate will be updated to reference the new standard.

Additionally, the scope of the standard has been extended to include testing on communal entrance doorsets, sliding doorsets and sliding/folding doorsets.

To differentiate between doors & windows, doorsets will now be classified as PAS24 DK (for doorsets unlocked via a removable key), or PAS24 DKT (for doorsets unlocked without a removable key i.e. a thumbturn).

Existing certification to STS204 for BS7950 windows

It is not the intention to increase the security of windows, the requirements for a window to achieve PAS24:2012 will be no greater than for one that has been previously achieved requirements for a window to achieve PAS24:2012 will be no greater than for one that has previously achieved BS950:1997.

Customers with existing test evidence and certification to BS7950:1997 via CERTISECURE specification STS204 will notice no change, over the next 12 months all audit tests will be carried out to PAS24:2012 Annex C as part of their 2012/2013 audit schedule, at which point their certificate will be updated to reference the new standard.

Additionally, the scope of the standard has been extended to include testing on parallel opening and double-opening (French) windows.

To differentiate between doors & windows, windows will now be classified as PAS24 WK (for windows unlocked via a removable key), or PAS24 WKT (for windows without a key lockable handle).

Existing certification to STS202

STS202 is not affected by the advent of PAS24:2012 and audit testing will continue as previous.

However, as the scope of PAS24:2012 has now been expanded to include communal entrance doorsets with pivot /continuous hinges and magnetic locks, customers that have tested to STS202 can opt to test to PAS24:2012 as well and change over their certification to STS201.

BSEN1627-1630

One new addition to PAS24:2012 is the option for clients with test evidence to the new European burglary resistance standard EN1627-1630 to comply with Secured by Design requirements.

Doorsets tested to EN1627-1630 can claim PAS24:2012 compliance if they have achieved EN1627-1630 level WK3, and also be compliant with Annex A of PAS24:2012 (the additional cylinder requirements of PAS24:2007).

Windows tested to EN1627-1630 can claim PAS24:2012 compliance if they have achieved EN1627-1630 level WK2.

Exova Warringtonfire Willenhall are currently working towards UKAS accreditation to the EN1627-1630 standards.

Certification for Secured by Design Status

A 12 month co-existence period during which certification to PAS24:2007 & BS7950:1997 will still be accepted has been agreed with Secured by Design.



// The introduction of BSEN1627-30 – and the reported demise of PAS 24 – is one of the thorniest issues facing the AI trade at the moment, particularly the issue of the number of classes of resistance and the levels of equivalence between the new standards and PAS 24. //

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TESTING TIMES



To mark his appointment as **Certification Manager** at Exova Warrington Certification, **Helen Curry** talks to **Paul Duggan**, Chair of the GAI's Technical Committee about his new role and the changes at his organisation.

There have been lots of changes at Exova in recent times: not least the appointment of ten new staff. But the face which remains familiar to AIs and manufacturers alike is that of Paul Duggan. Paul has been heavily involved in the hardware trade for 22 years and it's safe to say that what Paul doesn't know about the legislation and standards surrounding architectural ironmongery is not worth knowing.

Paul was recently appointed as Exova Warrington Certification's Certification Manager, a role which Paul feels will allow him to be more effective in drawing up, promoting and policing the highest standards in the industry. His job description has been written specifically with this in mind in fact. "I will be concentrating exclusively on front-facing challenges which will mean I'll be working more closely than ever with trade associations like the GAI, legislative bodies and clients," he says.

Paul will have a counterpart, Chris Moores, who has been appointed as Business Unit Manager at WCL and who will be responsible for the day-to-day running of the department, staff and systems. "Splitting the previous role into two distinct functions will certainly allow us to work more effectively to our strengths," says Paul. They will be backed up by new technical engineers to support the Fire Door Inspection Scheme (FDIS) amongst other initiatives.

The timing of Paul's new role is certainly opportune. "This new investment will allow me to concentrate on some really important changes coming up in our industry like CPR and other standard changes," Paul says. "The

industry will see more robust checks of schemes like Certifire – for instance making sure the website is 100% up-to-date with certificates so that AIs can check live and reliably if products are certified." The Certifire scheme has also committed to remove expired and withdrawn certificates for doors and fire products as well as hardware. In fact, Exova has withdrawn a number of Certifire certificates and published the fact on its website although, as Paul Duggan explains, "we prefer to work with clients to make sure their marketing claims don't overstep the mark."

Policing the industry

"Trading Standards don't have sufficient resources or manpower to police the industry and this is not Exova Warrington Certification's remit," continues Paul Duggan. "But we will be doing more and more to ensure that Certifire certification is used correctly and being more robust to ensure the scheme retains its integrity in the AI sector. The industry wants Certifire to have teeth but, ultimately, companies have the power over their own destiny by ensuring their certification and claims are correct," he concludes.

The Exova group which Exova Warrington Certification is a

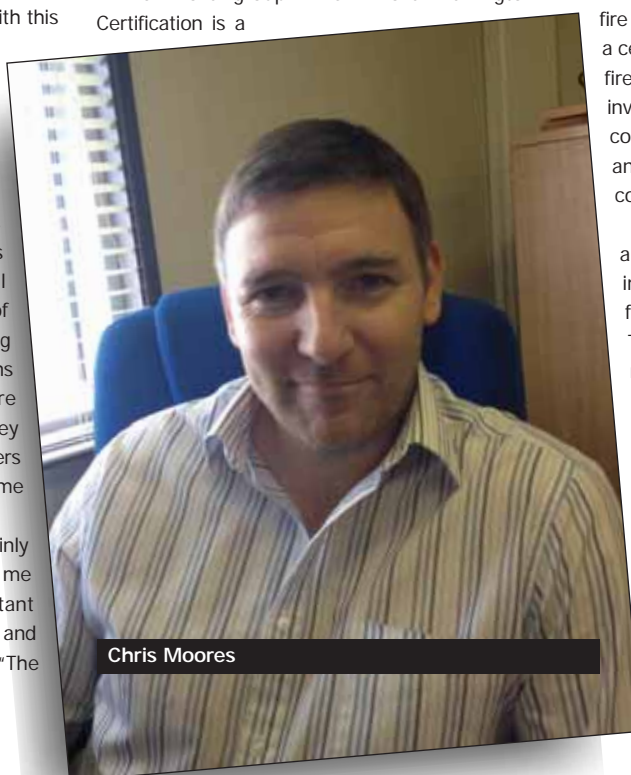
part of certainly has impressive resources. From headquarters in Edinburgh, Exova operates from over 110 facilities in 23 countries and employs over 3500 people. As well as testing the architectural products and door hardware that the company is well known for in the AI trade, Exova tests and analyses products in many different industries including food processing, textile manufacture, transportation, automotive and engineering sectors.

Exova Warringtonfire has appointed Rob Veitch as European Fire Safety Technology divisional director with responsibility for a team of 200 engineers and scientists as well as operational and commercial performance across six specialist testing laboratories.

Rob joins the division from a senior management role with industrial equipment provider Monks & Crane, part of the Wurth Group. In this role, Rob was responsible for a team of 170 and achieved record operating results.

Paul's division, Exova Warrington Certification, is a key part of Exova as the organisation which provides certification for passive fire protection products and services through the Certifire scheme – the system for certifying hardware for fire doors. Certifire was joined in 2003 by FIRAS, a certification scheme for companies installing fire protection products and systems. Which involves assessment of the installer company, competence, assessment of its site workforce and regular, random inspection of actual contracts.

Paul and Exova Warrington Certification also continue to work hard to build and improve the standards for door hardware. In fact, Paul Duggan is Convener of TC33 WG4. TC33 is the CEN technical Committee with responsibility for the production of product standards for hardware, doors and windows. Working Group 4 of TC33 is specifically responsible for hardware. "We are very active at all levels in European standard committees, helping to shape future policy and influence standards which will be used in the UK," says Paul Duggan. "We have to be at the table to ensure that these standards work for the industry."



Chris Moores



DIFFERENT STROKES

You wouldn't really have thought that it was possible to think of ways to revolutionise the way we think about anti finger trapping devices but Philip Ross and Martin Izod from Safehinge have set out to do just that since they set up their business in 2006. To start with, they are younger than your average business owner and, thanks to a shared design engineering background, think rather differently to many entrepreneurs.

One thing that they do have in common with many in this trade though, is that they did not dream of working in the world of door hardware as boys. The world of hinge protection only occurred to them when the head of A&E at Glasgow's Yorkhill hospital approached their university design engineering department with a competition to design a product to reduce finger trapping accidents. "The consultant told us that 2% of admissions were caused by finger trapping and ROSPA estimates that 30,000 children are injured every year!" says Philip. "We quickly realised that kids often get blamed for getting their fingers trapped but at Safehinge we wanted to turn that idea on its head and blame the door as being intrinsically dangerous to kids."

Philip and Martin's design went on to win the competition and, as they say, the rest is history. They patented their design in 2004 - the product became ALUmax, the product that launched Safehinge. The appeal of the product was immediately apparent when they exhibited at the Ideal Home Show where it won the exhibition's Innovation award on a public vote.

Safehinge is not a typical company in the AI trade. In fact, it prides itself on thinking differently to deliver what AIs need. **Helen Curry** visited its Glasgow base to find out how the company's two owners are working to change the way the AI trade thinks about its products.

It took two years to get the product to market and was a steep learning curve for the two business partners. They had to learn how to work together, how to fund the business (a mixture of private equity, competitions, and the Princes Trust), fine tune the product, and work out where to market it.

Lot to learn

Even though Philip and Martin knew they had a great product, they soon realised that they had a lot to learn about where to pitch

it. "We initially thought that ALUmax was a residential product," says Martin. "But we quickly realised that the budget for door hardware in the residential sector is so minimal that we needed to turn our attention elsewhere." At first, the two had not even heard of architectural ironmongers and did not build them into their business model. This all changed after attending the GAI AGM and Conference and, after putting AIs at the heart of the business, sales through AIs went from 0% of turnover to 50% very quickly.

Now AIs form a vital and integral part of Safehinge's business model with exclusive AI products and a project registration scheme. "AIs are present on every project in a way that we, with our small team, could just never be - they are our sales team and are critical to our business," says Philip. "We also quickly realised that AIs have both an excellent technical grasp of how our products work and a real appreciation of well-designed, quality products."

The sector which opened up to Safehinge first was education where facilities managers were complaining that existing hinge protectors were not



up to the job - having to be replaced every four to six weeks in some cases! As well as the safety angle, Safehinge soon persuaded education building managers of the benefits of their product by explaining that they could save £500-1000 per door by using ALUmax. "Our first instinct was to sell on the safety angle alone," says Philip. "But it soon became apparent that there were different selling points for different markets."

Safehinge did not remain a one product company for long. ALUmax was joined by ALUfast, a retrofit product which was launched in 2011. Basically an aluminium version of a traditional plastic product. The company worked closely with AIs through the development of the product and its launch to ensure that it was exactly what the market wanted and needed and, laughs Philip, "The AIs that we were dealing with certainly didn't hold back in their opinions!"

The result is the latest Safehinge product, the ALUmini. It's half the size of the previous product. The initial inspiration came from the idea that, because of basic geometry, it is impossible to trap anything round in a hinge. Martin first demonstrated this to Philip with a peanut butter jar – an incident which subsequently inspired the product's launch marketing campaign, "We're not nuts!?" ALUmini features a semi-circular profile that makes it almost impossible to trap fingers, plus a retracting fabric guard. One size fits most doors and allows opening to 180 degrees and the slim aluminium cover blends in with existing fittings. It only takes five minutes to install yet won't

crack, tear or shatter. So it ticks all the boxes that AI asked for in the product's design.

Of course Safehinge and its AI customers are now operating in

very different market conditions to those that were prevalent when the two directors started out. Fewer new schools or hospitals are being built from scratch now – but Philip and Martin see this as an opportunity for Safehinge and AIs. "Take Manchester as an example," says Philip. "They used to build two or three new schools every year. Instead they are refurbishing five to six schools a year. And that represents a real opportunity – especially with a product like ALUmini for existing and ALUmax in new build extension – the perfect package that offers AIs extra value on every door."

So from a standing start in 2009 (when ALUmax was launched), Safehinge is market leader in finger protection, working with over 35% of Local Authorities and prescribed as Best Practice products with many of them. Even now though, the company try to do things a little differently. For example, to save money and increase productivity Philip who handles the company's sales, does not own car and does all his travelling hub to hub by train and using city car share schemes. The company's logistics and warehousing facilities are outsourced allowing them to offer next day delivery without tying up capital in massive stock holdings.

And it is this desire and ability to think differently that sets Safehinge apart from so many other hardware suppliers. "We tend to look at problems and see a potential commercial opportunity to be designed," says Martin.



FEELING HEALTHY

Holly House Hospital is based in the heart of Epping Forest in Buckhurst Hill and in its 30 year history it has served the local communities on the areas on whose borders it sits – Hertfordshire, Essex and London. Laidlaw Interiors Group (LIG) was the AI for the project to build a new £20 million facility at the site and the ironmongery has not only played its usual part in the smooth running of the new facility, it has also contributed to the building's contemporary feel plus, crucially, played a role in infection control.

24



FEELING HEALTHY

27

The new facility was opened on 1 March this year by West Ham vice chairman Karren Brady. The redevelopment was commissioned by the hospital's owners, Aspen Healthcare, to increase capacity and improve functionality. This has been achieved through the creation of a large extension to the rear of the site, which is connected to the main building by a dedicated entrance corridor. The facility which will house a majority of the hospital's outpatient services, has now been built on the former site of the London Ambulance station.

The extension includes a basement car park for staff, an operating suite, an outpatient department, treatment spaces and support accommodation, with a top-floor management suite.

Designed by LSI Architects, the outpatient department comprises 19 premium consulting rooms, four minor treatment rooms, and a dedicated oral surgery dental suite, all located around a contemporary circular reception desk. There are also discreet patient waiting areas throughout the department where patients have views of the surrounding forest, plus a pharmacy for outpatient dispensing.

The whole feel of the new facility is modern and contemporary and was based very heavily on patient's views and those of the staff who work there. The results are clearly a hit with both sets of people with patients saying that it is a reassuring and calming place to visit. Consultant Oncological Surgeon Mr Steven Snooks describes the facilities at Holly House now as "world class" while Consultant ENT Surgeon Mr Samuel Jayaray says the feel is "bright, airy, and really contemporary."

Perhaps most telling though is the feedback from the reception staff who say that, because of the new facility's high level of finish it has a "hotel reception vibe" and that some patients ask how long they can stay and what spa facilities they have!

Phil Bates, director of Holly House Hospital, said: "We are very proud of our unique healthcare facility - there is nothing quite like it in the whole of the London area. We pride ourselves on delivering a safe, comfortable and welcoming environment to all our patients and one in which we would be happy to treat our own families."

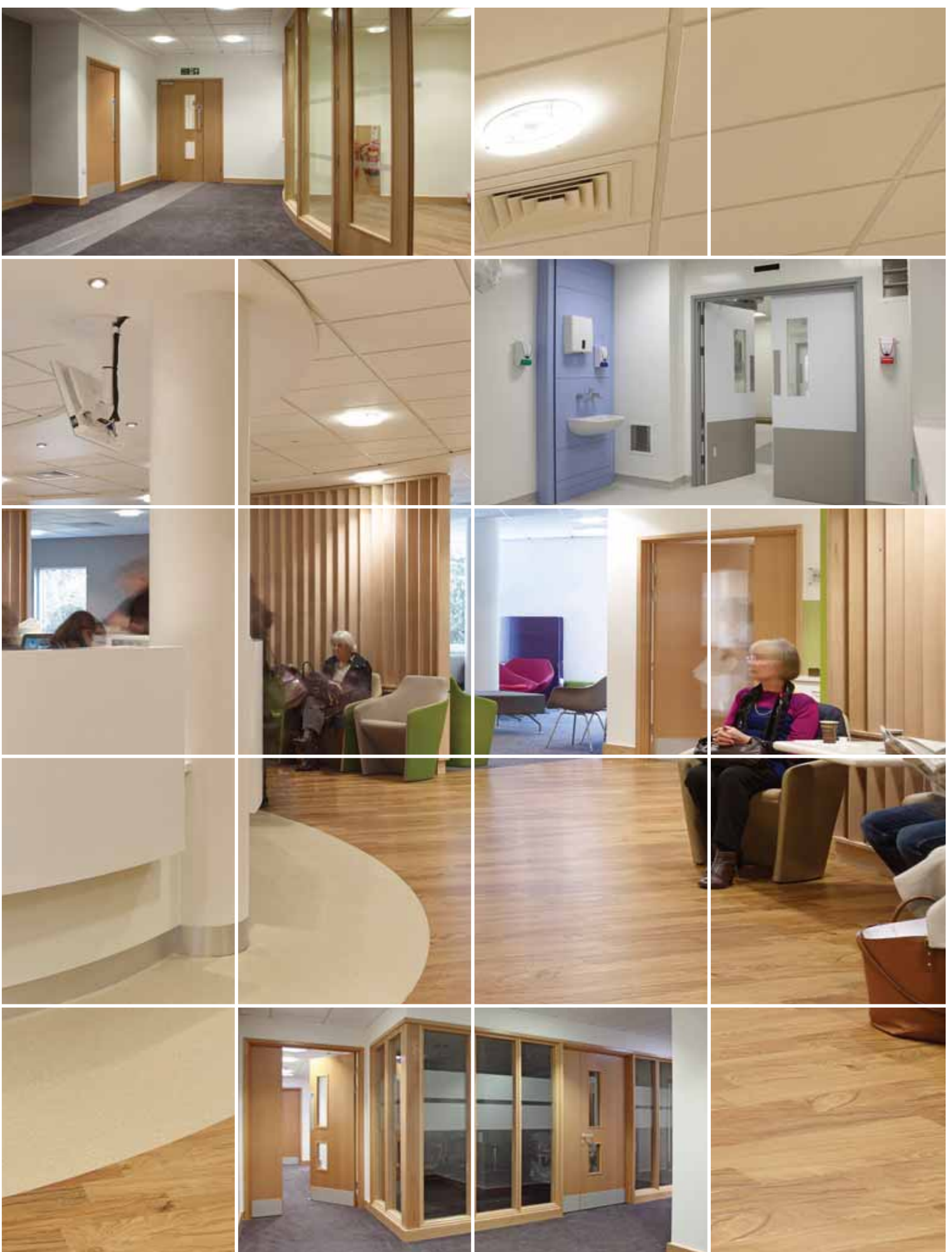
This determination to create a really modern, high quality atmosphere is nowhere more apparent than in the hardware. LIG supplied £180k worth of timber doorsets and ironmongery, including Laidlaw's Normbau range of ironmongery. Every piece of hardware for Holly House was coated with Microban – an antimicrobial surface protection, which will help prevent the spread of disease.

LIG also supplied £40k worth of IPS panels via Cubicle Systems, £9k worth of sliding/folding partition doors by Komfort and £12k worth of steel doorsets by Fitzpatrick. Beech doors, frames and fully encapsulated postformed doorsets and frames with the flush glaze system were also supplied by LIG.

Phil Bates, Hospital Director, said: "We are delighted that work has been completed at Holly House and we look forward to opening a superb purpose-built facility. The development will enable us to continue providing first-class medical care but in a building better suited to the needs of modern healthcare. It will be a major boost to the local community as well as our own staff."

David Manley, Business Head London & SE for LIG said: "The products we supplied to Holly House Hospital, especially the Normbau range of ironmongery, which is coated with Microban, are perfect for use in this particular situation. We worked closely with the hospital to ensure we supplied a complete range of products that would work well with the very specific needs of the building once up and running."





stoke-on-trent forest edge

THE LUXURY OF ACCESS

Forest Edge in Stoke-on-Trent is a privately-owned development, often providing temporary accommodation for tenants visiting or working in the local area.

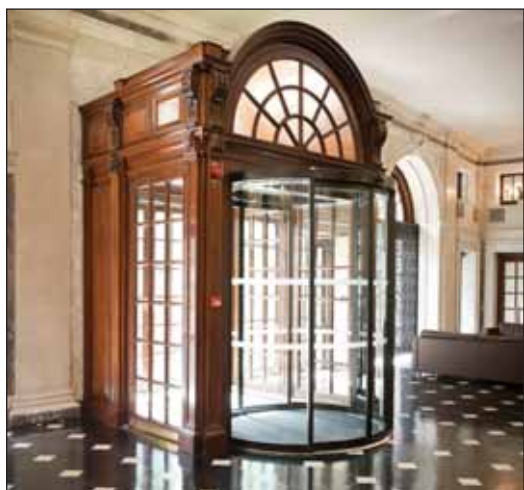
UNION's Codehandle has been installed by Architectural Ironmongers WT Lynn Ltd. to allow immediate access for new tenants – regardless of the time of day – and has been integrated with a key-operated nightlatch to provide additional security given the high turnover of users.

As well as the changeable user codes making the occupant handover process quicker and more efficient, UNION's Codehandle adheres to the slick design principles adopted at the luxury development. When occupants vacate the property, the keys are left inside, and the code can be changed by the administrator, ready for the next occupant. Codehandle simplifies the handover process for the building managers, eliminating the issue of accessibility, and accounting for additional security."

Steve Lynn, of WT Lynn said: "I've been very impressed with Codehandle's ease of installation; with no wiring or cabling, we had them installed very quickly. I'm already looking at other potential projects that could certainly benefit from the Codehandle's functionality."



london finsbury circus



GEZE ENTRANCE GRACES FINSBURY CIRCUS

Take a listed building at a prestigious London address in the heart of the City, add a floor made from the thick steel hull from a ship and a traditional wooden entrance lobby, then request a modern entrance which enables access and reduces heat loss.

This was the challenge faced by GEZE UK, at the Grade II listed 1 Finsbury Circus. The architectural firm Gaunt Francis was behind the comprehensive redevelopment of the historic building, which included a modern interior space with a spectacular fully glazed atrium roof.

At the entrance, elegant circular automatic sliding glass doors were specified to complement the ornate wooden lobby and the striking geometric floor, and GEZE UK's discreet Slimdrive SCR was the ideal choice. But a bespoke solution was required, as it was impossible to dig into the listed, steel floor. Instead of creating a floor ring from hollow steel tubes, GEZE UK made a specially fabricated floor ring from a stainless steel sheet just 15mm thick. This was then machined on to the floor and every fixture was surface mounted.

In keeping with the vast swathes of glass used throughout the development, the circular doors were given a glass roof, maximising the feeling of light and space and to reduce heat loss, a matching semi-circular heater was installed on top of the outer door.

lincolnshire havelock academy

ORBIS DOORSETS FOR PATHFINDER ACADEMY

290 Orbis Timber Doorsets with ironmongery have been supplied for the £22M Havelock Academy, a 'pathfinder' for the development of new teaching and learning environments for NE Lincolnshire Council. The International Baccalaureate World School status building, designed by Architects Co-Partnership and built by Kier Build, is in the form of a two-storey 'pentagon star'.

The new accommodation will provide classrooms and teaching areas designed to current DCSF guidance. The doorsets were a mix of Bio-Oak laminate and Coloured Laminate. This enabled classroom doors to be in the eight house colours - red, orange, pink, blue, grey, green, yellow and purple. Centurion ironmongery, the agreed range under the Education Agreement with Kier, was supplied in Satin Aluminium, together with pull handles and roller bolt locks from the Orbis Classic range. Pull handles were the preferred choice for classrooms to limit the potential for wear on moving ironmongery.



DORMA MAKES THE GRADE

At Allerton High School in West Yorkshire, the original design specification of automatic doors on the main entrance did not accommodate the site's excessively windy conditions.

As part of its energy saving product features to reduce environmental impact, the DORMA ED250A is the only automatic swing door operator with integrated wind-load capabilities; it automatically recognises and compensates for wind loads up to 150 N – making it the ideal solution for Allerton High School.

Wind load is a real problem for exterior swing doors, as the wind can act against them and affect performance, especially in the case of electro hydraulic operators, which have an inflexible closing force tied to their current spring force adjustment. This lack of a wind load control leads to the costly loss of precious energy from the building and can lead to unauthorised access – especially concerning in the case of Allerton High School and its 1,000+ students.

With safety and security paramount, the DORMA ED250A's Wind Load Control feature automatically compensates for wind loads with a force of up to 150N by tailoring the door's driving behaviour appropriately to the prevailing weather conditions, while the adjustable electronic latching action helps the door to close properly, eliminating wind load problems and helping to reduce the building's carbon footprint.



TAKING CARE OF DOORS

One of the UK's largest care home groups has chosen wireless Freedor electrically powered free-swing door closers to improve access whilst protecting staff and residents at one of their care homes.

Barchester runs more than 200 homes nationally and has found the Freedors, installed at their Mulberry Court care home, to be an excellent product for convenience of use and fire safety, fitting perfectly with the requirements of a care home environment.

Freedor is a wireless solution that allows users to hold open fire doors at any angle, automatically closing them when the fire alarm sounds to prevent the spread of fire and smoke around the building.

Installed at the top of the door, Freedor is unobtrusive and is easy to install in new buildings and retrofit, with none of the expense and disruption to occupants or the building associated with the installation of hard-wired door closers.

Features include Fail-to-safe technology, with a minimum battery life of 12-18 months; Adjustable sensitivity; Complies with BS EN 1154, BS EN 1155, BS 7273-4 category B.



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■ STAINLESS LETTERPLATES

COOKE'S RED LETTER DAY

Complementing the company's range of Architectural Hinges, Vision Panels and Flush Pulls, Master Hinge Makers Cooke Brothers has now introduced two popular sizes of Stainless Steel Commercial Letterplates and Inner Tidy Plates into the company's growing portfolio of high quality Architectural hardware products.

Utilising the company's latest Laser Punch Press technology, the new UK manufactured Letterplates are available in two standard sizes 300x100mm and 400x125mm, whilst special sizes and unique designs can be produced to suit individual requirements.

Manufactured from grade 304 Stainless Steel, with the option of grade 316 where required, the letterplate specification includes, a satin polished finish, concealed bolt through fixing, Stainless Steel springs, and matching stainless steel inner tidy available with or without springing suitable for horizontal or vertical installation.



ERA INTRODUCES UNIQUE KEYLESS SOLUTION

Door and window security hardware specialist ERA has introduced a new range of keyless door locking solutions suitable for both single and multi-point locking doors. The new iLock range is the first on the UK market to offer fingerprint technology to multi-point locks.

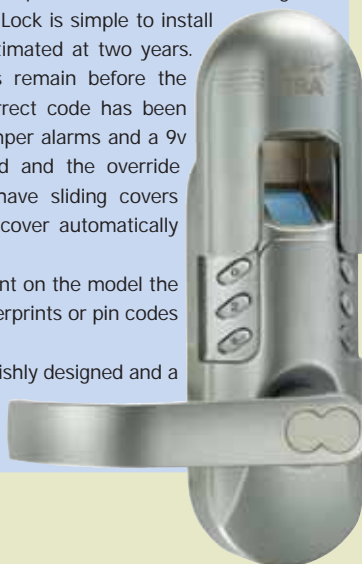
Describing the iLock range, Brett Evans of ERA, says: "This is the first product on the UK market that does away with the need for both keys and key fobs. A major selling point for customers is that they no longer have to worry about losing their keys or having them copied or stolen and they don't need a key fob, which can also be lost and is expensive to replace. To operate an iLock they can simply use their unique fingerprint or enter a digital access PIN code".

Users can easily add their fingerprints using the iLock's high quality fingerprint sensor or if they choose, use the keypad PIN code, and similarly they can delete prints or codes if users change.

Complying with the TS007 standard (2 star product), the iLock is simple to install with no wiring involved; and the average battery life is estimated at two years. Audio warnings alert the user when only limited entries remain before the batteries need to be replaced and to show that an incorrect code has been entered. The DX1 and FX1 models also feature in-built tamper alarms and a 9v temporary battery override if the batteries have depleted and the override emergency keys are not available. All fingerprint locks have sliding covers protecting the reader from the elements; and raising the cover automatically activates the unit.

Designed for domestic and commercial use; and dependent on the model the iLock can be used internally or externally, and up to 199 fingerprints or pin codes can be registered.

Available in chrome or gold finishes, the iLock range is stylishly designed and a range of options including a slimline electronic access lock enabling a simple upgrade to standard mechanical digital



■ SAFETY PADLOCKS

LOTO WINNER

ABUS are pleased to introduce their new 74 series Lock Out, Tag Out (LOTO) range of safety padlocks, designed to meet the specific market need of today's safety aware workplace.

The 74 Series safety padlocks are designed for LOTO applications and help keep equipment and employees safely away from hazardous areas. At its basic level, LOTO is the supply of either one or a series of padlocks that ensures machinery is not prematurely reactivated during maintenance.

The Lock Out, Tag Out 74 series marries the need for safety with the need for convenience. With its innovative, lightweight design the series meets OSHA (USA Occupational Safety & Health Administration) lockout regulations and is well suited for harsh industrial environments.

The 74 series' solid aluminium body is identifiable by non-conductive covers, available in 10 high-visibility colours that allow easy identification, are shipped with LOTO labels and can be laser engraved for easy identification.

The insulated steel shackle is anti-electric shock and the FDA (USA Food & Drug Administration) approved lubricant means the padlocks can be used in food preparation areas. With a standard 38mm shackle clearance and 114mm longer shackle options available, these locks are designed for easy LOTO application.

In order to guarantee the non-release of switches and valves, the 74 series is provided with only one key, which guarantees maximum security. Its key retaining feature means it cannot be unlocked by accident, with KD, KA, KA custom & MK options ensuring the maximum range of on site options available.



■ INTEGRAL ANTIMICROBIAL PROTECTION

INTEGRAL ANTIMICROBIAL PROTECTION

Door seal manufacturer Lorient, recently launched integral antimicrobial protection into its range of popular door seals for sound, smoke, fire and thermal containment as standard, these include – Finesse™, DS, Batwing® and plain fire seals. In addition, Lorient is now introducing integral antimicrobial protection into a number of other products within its fire resistant glazing systems, and fire and smoke resistant dampers/ air transfer grilles ranges.

Bacteria is usually transmitted by direct skin to skin contact, but it can live on common surfaces such as doors; and its ironmongery including door seals, air transfer grilles, and glazing systems etc. Hygiene is of paramount importance in public buildings such as hospitals and care homes; which are constantly under threat from bacterial cross-infection, from superbugs such as MRSA and E.coli. In these vulnerable environments, every precautionary measure counts.

Products that now incorporate antimicrobial protection include Lorient's vision intumescent style air transfer grilles LVV40 and LVC40, which can be used to provide up to 60 minutes fire resistance for fire and hot smoke; as well as Lorient's new versatile 60 minute fire resistant glazing system – RF1®.

Lorient incorporates antimicrobial technology during manufacture for maximum effectiveness; tested and proven to be up to 99% effective at killing a wide range of bacteria including MRSA and E.coli in independent laboratory tests. The active ingredient works by preventing the bacteria's



access to nutrients so that they starve and die – levels of bacteria on surfaces are significantly reduced over a 24 hour period. The technology, which is non-toxic, remains active on the surface of the seal for many years, due to its low water solubility.

■ MULTI-POINT LOCKING SYSTEM

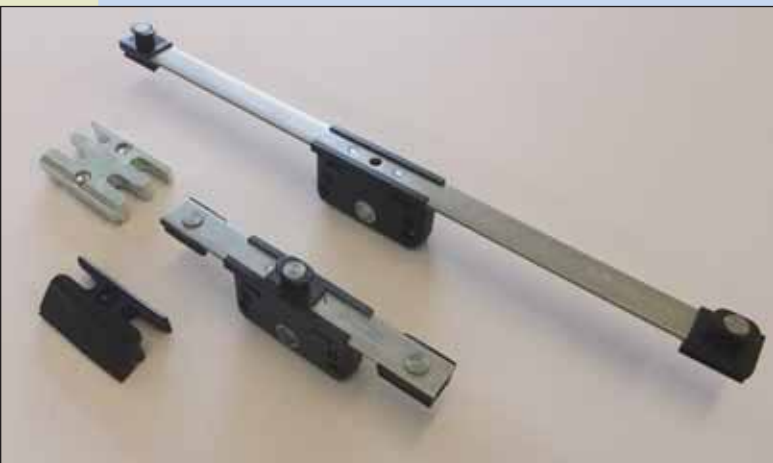
LIGHTNING BOLT HITS THE UK WINDOW MARKET

Manufacturer of window products Nico Manufacturing has expanded its range with the Lightning Bolt multi-point locking system, designed and manufactured in the UK.

Simply clipping into the window profile without the need for fixing screws, the Lightning Bolt combines ease of fixing with exceptional value to increase productivity and reduce fixing costs.

The Bolt is robustly-built from stainless steel and nylon with a die cast drive mechanism and steel handle screw inserts. Oval cams ensure a smooth operation and for maximum versatility, it is suitable for most popular PVC-u window profiles – complemented by a selection of pressure die cast and nylon keeps.

The new Nico Bolt is available in a wide range of sizes, from 120mm to 1100mm, with one to three cams according to length. For the longest sizes, an additional central cam provides extra compression.



■ COMPLETELY CONCEALED HINGE

HIDDEN TREASURE

The latest addition to the SIMONSWERK completely concealed TECTUS hinge range, the TE 541 3D FVZ, allows for recessed frame facings up to 14mm with standard 4mm on the door side. This offset version for timber, steel and aluminium frames has a load capacity up to 100kg and as with all TECTUS hinges has three dimensional adjustments for perfect door alignment, presents flush fitting clean line design without visible frame, is maintenance free and has an opening angle up to 180°.

The TECTUS hinge range, designed for unrebated residential and heavy-duty doors, is available in an unrivalled range of high quality surface finishes. Options include the Tectus A8 version for glass or laminate door designs with door fascias and claddings up to 8mm, the Tectus "Energy" system integrating permanent power transfer, the new Tectus FR fire rated range which incorporates the intumescent material within the hinge body and the Tectus TE 645 3D hinge which will carry door weights up to 300kg.



■ TS009 STANDARD LETTERBOX

DESIGNED TO LAST

DAD is the first letterbox company in the UK to achieve Secured by Design accreditation, demonstrating that its product meet the standards set by this police initiative which aims to “design out” crime. The Secured by Design accreditation supports the launch of the DAD009, the first mailbox to comply with TS009:2012 GRADE 2, the new Technical Specification for free standing and wall mounted mailboxes.

The new TS009 standard was initiated by Secured By Design and the Association of Chief Police Officers in response to the increasing problem of “fishing” from mailboxes which allows criminal to steal the owners’ identities. The new DAD009 is a robust mailbox and is proven in tough independent tests to be able to withstand attack and resist fishing through the slot.

The DAD009 is manufactured from 1.5mm steel to ensure it is able to withstand physical attack with tools as described in the new TS009 standard. A patented locking and security device, including an EN1303 lock with 30,000 key variations, ensures that the lock remains invulnerable and secure. An anti-theft device behind the letter flap makes it impossible to fish the mail out through the slot – an increasing cause of identity theft. In compliance with the new TS009:2012 specification, the DAD009 easily takes an A4 envelope.

The DAD009 can be supplied in any RAL colour with a polyester powder and is available as a single box or a bank of boxes and is wall mounted either on or in the wall, and can be sited inside or out.



■ ANTI-SNAP CYLINDERS & HANDLES

ASEC IN A SNAP FROM ALDRIDGE

Asec, a security product brand sold exclusively through security product distributor Aldridge Security, is launching a brand new anti-snap range of cylinders and door handles.

The new Kite anti-snap range includes cylinders offering a TS 007 1 Star rating, which will give protection and reassurance to end users. The cylinders which are anti-snap, anti-bump, anti-pick and anti-drill are compliant with the BS Kitemark to guarantee quality and safety.

In addition to the cylinders the range includes security door handles which have a TS 007 2 Star rating. When combining the cylinders and door furniture the Star rating increases to 3 Star providing the ultimate protection and ensuring the highest security.

The Euro cylinders, which are available in Key & Turn, Half Euro and Key & Key, are compliant to the British Standard BS EN 1303:2005, to offer greater flexibility and increased keying alike options, non Kitemarked Rim & Screw in cylinders are also available. The British Standard gives the Kite range extra security to help prevent ‘lock snapping’ and ‘lock bumping’. The cylinders provide the highest grade of durability as well as the greatest corrosion and temperature resistance. In addition they are Grade 1 fire resistant making the cylinders ideal for use on fire doors.”



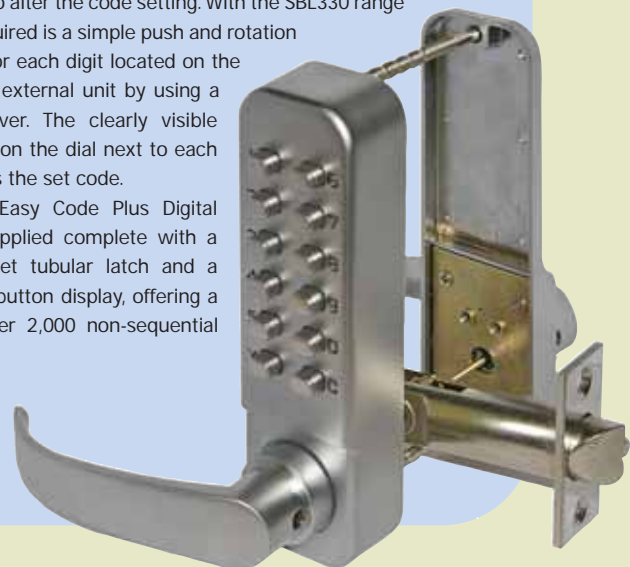
■ EASY TO CODE DIGITAL LOCKS

‘EASY CODE PLUS’ DIGITAL LOCKS

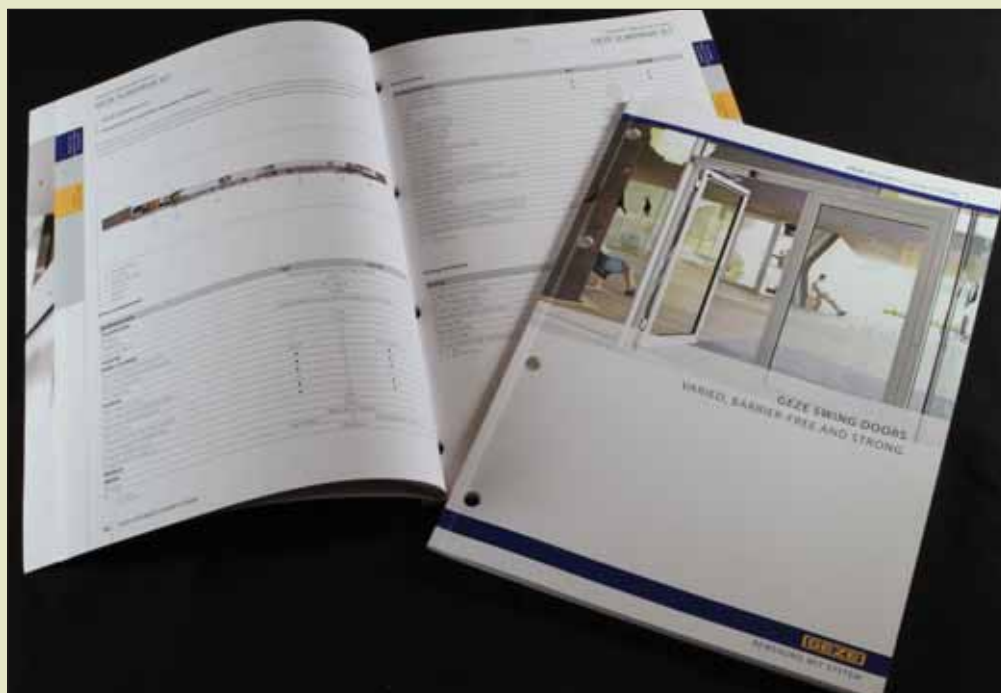
In response to a growing demand for a mechanical digital lock with a simple and yet convenient method of changing the access code, Securefast has launched the Easy Code Plus SBL330.SL with lever handles on both sides and the Easy Code Plus SBL330.S with an internal turn knob and hold back snib for the tubular latch.

Designed to provide security in low to medium traffic areas, the new Easy Code Plus range incorporates a superior mechanism specifically designed to prevent the code from being detected by opportunist thieves, whilst eliminating the necessity of moving retainers around the mechanism to alter the code setting. With the SBL330 range all that is required is a simple push and rotation of the dials for each digit located on the inside of the external unit by using a flat screwdriver. The clearly visible indicator dot on the dial next to each digit indicates the set code.

The new Easy Code Plus Digital Locks are supplied complete with a 60mm backset tubular latch and a clear eleven button display, offering a choice of over 2,000 non-sequential codes.



>> LITERATURE



AUTOMATIC CHOICE FOR ARCHITECTS

GEZE UK has published two new brochures to provide architects and specifiers with an overview of its range of automatic sliding, telescopic and folding door systems, and its swing door systems.

The guides cover the roles and uses of each of GEZE's automatic systems, and include easy-to-read comparison charts and installation drawings for every door drive. From simple explanations about functionality and stylish in-situ photography to the complex drive length calculation tables, these multi-purpose brochures provide a reference for each stage of design and specification.

Clear descriptions and diagrams of each variant provide important extra information about their use and benefits, while all the supplementary accessories are listed, from manual and automatic actuation to safety sensors and locking systems. As a result, the new brochures are an ideal reference point when considering fire safety, accessibility and efficiency.

To download both the swing door brochure and the sliding, telescopic and folding door brochure, please visit the downloads section at www.geze.co.uk or to request a print copy call 01543 443000.

>> WEBSITES

NEW SATURN ARCHITECTURAL WEBSITE

Saturn Architectural now boasts a revamped website www.saturnarchitectural.com to showcase its range of automatically operated door solutions, access control and building management systems, architectural ironmongery and integrated doorsets.

Split by individual products and in-action case studies, the new website gives users a better idea of how Saturn Architectural's products can be put to use on all kinds of projects. The site runs on an entirely new operating platform, providing easier, faster navigation. With a downloadable brochure also available, Saturn Architectural's site offers users everything available to help make an informed product selection.

Saturn Architectural has a wealth of experience that can be easily transferred to projects of all sizes. Saturn Architectural will prepare and check all ironmongery schedules, including information on access control where required - and liaise directly with the end user/architect on behalf of the customer to avoid misunderstanding and time delays. More so, Saturn provides one contact point for each development to solve any issues as fast as they arise.

For more information on Saturn Architectural visit www.saturnarchitectural.com



AIJ is published by: The Guild of Architectural Ironmongers, BPF House, 6 Bath Place, Rivington Street, London EC2A 3JE. Telephone: 020 7457 5000. Website: www.gai.org.uk Although this magazine is the official publication of the Guild of Architectural Ironmongers, claims and opinions expressed by contributors and advertisers do not necessarily reflect the official view of the GAI. Copyright The Guild of Architectural Ironmongers 2007 ISSN 0959-986X



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NEXT ISSUE

Copy date for the next issue is
10 MAY 2013.

All adverts are accepted subject to approval from a Technical Approval Committee



DOM SECURITY TECHNOLOGY

DOM Guardian® antibacterial

More protection for everyday life

Door fittings quickly build up unwanted germs by the many hands that operate them throughout the day. In particular this applies to sensitive environments such as hospitals, nursing homes, clinics, schools and colleges. Some of these germs and viruses are immune to antibiotics and pose a serious health risk such as wound contamination, transmission of diseases or infections. In environments such as these, hygiene is of paramount importance.

The DOM Guardian® fitted handle reader provides a solution with its new version now available with antibacterial powder coating.

The SANITIZED® antibacterial active ingredient is incorporated into the powder coating and cannot be removed from the surface of the DOM Guardian®. The coating is neutral in colour and provides invisible protection against all kind of bacteria and microbes.

Areas of application:

- Hospitals, clinics and laboratories.
- Train station, airport, restaurant and shopping center toilet facilities.
- Nursing and residential care homes.
- Office and workshop areas with high traffic doors.
- Schools, nurseries and other educational buildings.



reddot design award
winner 2009

