

AN ICON REBORN

THE CONVERSION
OF THE ART
DECO HOOVER
BUILDING

inside

NEWS

GAI conference
report

FEATURES

Hackitt
response

John Planck
in profile





 **3,500,000**

Grade 3 

**Support
Heavy
Handles**



Perfect for timber &



metal fire doors

1  **Positive
Follower**

15 YEAR 

38mm 

60 & 72 

Quick reversible Latch



3 steps

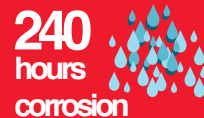
 **20mm
single deadbolt**

**2 piece
forend**



**splinter
guard**

304 stainless
steel 

**240
hours
corrosion** 

3 rd party
environmentally
certified 



**5
Beautiful
Finishers**

**5mm
spindle adaptor**

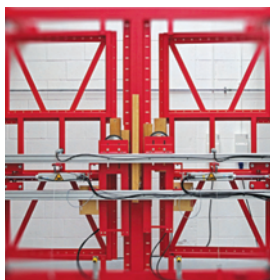
certifire

UNION

ASSA ABLOY

Trusted by **Professionals**

ASSA ABLOY, the global leader
in door opening solutions



aij is published by The Guild of Architectural Ironmongers.
BPF House, 6 Bath Place, Rivington Street, London EC2A 3JE.
Telephone 020 7033 2480. 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

CONTENTS Summer 2018

NEWS AND VIEWS

News	04
GAI and IAI news	10
Column: an architect talks	17

FEATURES

The new chair of IAI	14
The Hoover Building	16
John Planck Ltd in profile	24
The GAI response to Hackitt report	28

TECHNICAL

Making sense of standards tests	30
---------------------------------	----

NEW PRODUCTS

New launches this quarter	32
---------------------------	----

BACK DOOR

An elephant house in a monastery	34
----------------------------------	----

EDITORIAL PANEL:

David Stacey

President

Email: david.stacey@dormakaba.com

Angie Corkhill

Director

Email: angie.corkhill@gai.org.uk

Liz Male MBE

Director Liz Male Consulting

Tel: 01234 712279 Email: liz@lizmale.co.uk

Neetta Brown

Senior marketing officer

Email: neetta.brown@gai.org.uk

TECHNICAL MANAGER:

Douglas Masterson

Tel: 07469 141657

Email: douglas.masterson@gai.co.uk

DESIGN AND PRODUCTION:

Atom Publishing

Tel: 020 7490 5595

www.atompublishing.co.uk

EDITOR:

Nicky Roger

Tel: 07704 336835

Email: nicky@atompublishing.co.uk

ADVERTISING MANAGER

David Smith

020 7490 5595

dave@atompublishing.co.uk

ART EDITOR:

Heather Rugeley

O2 ARENA GETS BALLISTIC WITH DOORS



The O2 Arena in London has replaced its doors to enhance the security of the venue as well as offering protection to its occupants from specialised weapons or gun fire. The current interior doors were no longer fit for purpose due to the wear and damage caused

from the constant flow of people entering the site – the arena is one of the busiest music venues in the world in terms of ticket sales, handling 1,819,487 tickets annually.

The venue installed Hillsborough BR4 ballistic doors

from Abloy UK. These doorsets offer protection from 9mm handguns through to armour-piercing rounds and all testing is to BS EN 1522 and BS EN 1523. They were provided in a bespoke colour, O2 blue, to match the arena's colour scheme.

INTERIORS AWARDS OPEN FOR ENTRIES

The 2018 edition of the SBID International Design Awards is now open for entries. The awards honour the world's finest interior design schemes from over 43 countries worldwide. Last year saw a 40% increase of entries and over 100,000 public votes. This year brings brand new additions to the revered panel of judges including Carlo Chiulli, design director at Christian Louboutin Beaute, Stefan Sielaff, design director at Bentley and Helen Brocklebank, CEO of Walpole.

Architects and interior designers are invited to submit their projects by Friday 15 June 2018. The finalists will be announced in July 2018, and once announced, the public will be invited to cast their vote for their favourite projects online, which will contribute to the overall scores.

For more information on the SBID Awards, visit www.sbidawards.com

ALLGOOD COMPLETES THOUGHTFUL DESIGN AT MAGGIE'S CENTRE

Maggie's Centre in Oldham has incorporated Allgood's Holt ironmongery as part of an aesthetic and practical design. Handcrafted from European oak, the Holt range blends with the hardwood cross-laminated timber (CLT) building and reduces the impact of neuropathy for the centre's patients.

Maggie's Centre's provide free practical and emotional support to people with cancer and their family and friends. Each Maggie's Centre is designed to alleviate the clinical and dispirited feel of hospital environments.



Built in the grounds of The Royal Oldham Hospital, Maggie's Oldham: The Sir Norman Stoller Building is the first hardwood CLT building in the UK and the 21st Maggie's Centre in 21 years.

Designed by architects dRMM, the practice chose to use tulipwood CLT: research suggests

wooden structures can help lower blood pressure and pulse rates as well as delivering other health and wellbeing benefits.

Jasmin Sohi, associate at dRMM said: "When specifying the ironmongery for the building, the use of timber was integral. Warm to the touch, timber

ironmongery reduces the effects of neuropathy – a common side effect of chemotherapy. The Holt range provides a beautiful, unique, timber solution for what, in a typical hospital environment, is stainless steel and cold. Conceptually essential, the use of Holt ironmongery ensures that all visitors' first physical contact with the building is a positive and welcoming experience."

The Holt range, designed by Alex Mowat, has a super circular shape, and is handcrafted from European oak and provides the optimum grip for users.

Holt L shape lever handles, WC turns, coat hooks, doorstops and toilet roll holders as well as disabled toilet furniture were used throughout the centre.



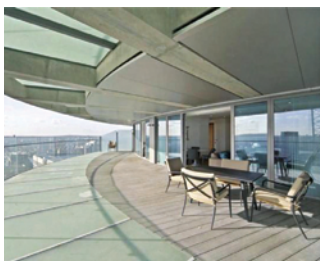
PLANCK GOES WITH THE FLOW IN DOCKLANDS

Arena Tower, a new development by Galliard Homes of high-end apartments in London's Docklands, features architectural ironmongery specified by John Planck Ltd. This includes hundreds of Astra 3000 Series concealed door closers which form part of an ironmongery package for over 3,300

individual door sets that featured a specially-designed lever handle and matching accessories for all the apartments and common areas.

Arena Tower's novelty is that the apartments rotate slightly around the building to create the Tower's distinctive flowing twist. It rises 450ft above Canary Wharf and includes over 370 apartments as well as a cinema, swimming pool, gym, leisure facilities, plus an array of bars and restaurants spread over three floors.

Modern sleek aesthetics were a top priority for architects Skidmore, Owings & Merrill whose watchwords for the development were space and luxury.



YOUNG FINGERS STAY SAFE WITH NEW NURSERY DOORS

A new RAF nursery in Oxfordshire, has installed safety door measures.

Designers Frankham Consultancy Group and contractors Antac worked on the new nursery at RAF Benson in Oxfordshire which needed door solutions that were fully compliant and tailored to the needs of young children.

Products specified include the DC500A CAM-Motion® door closer from ASSA ABLOY, delivering a low opening force while providing sufficient closing forces to satisfy fire legislation, and ASSA modular high-security deadlocks, delivering a strong locking solution for doors.

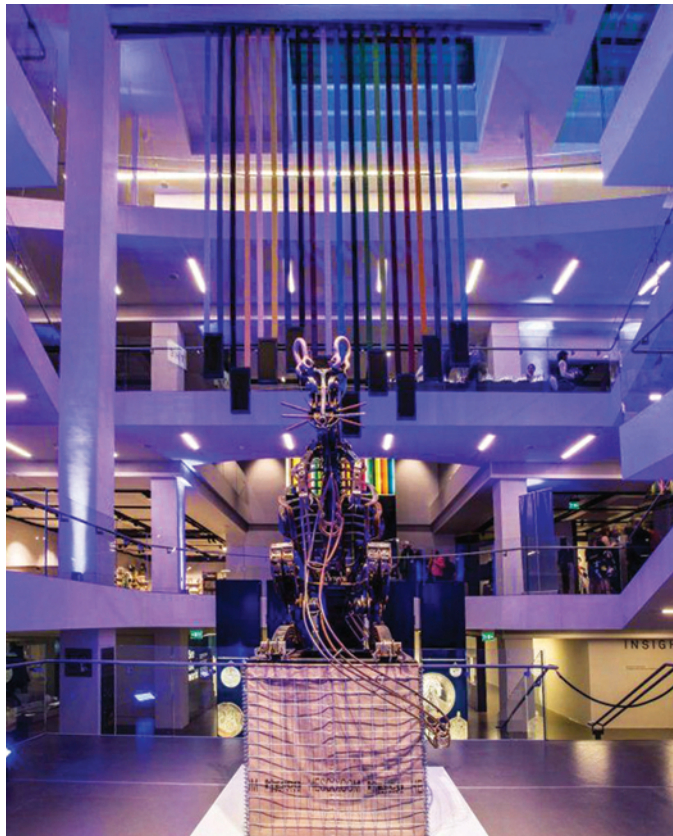
Other solutions specified include P600 cylinders, patented to ensure keys cannot be duplicated by unauthorised parties, and ScanFlex door furniture, offering Scandinavian design in stainless steel.

The doorsets provided are all oak laminate with a horizontal grain, complete with PVC edges – making them easy to clean – and factory-painted frames, meaning the products arrive to site in their finished condition, ready for a quick installation.

With access and safety for young children of paramount importance, solutions such as finger guards and thumb turn locks for the toilets, installed at a lower height, were other crucial considerations.

Matthew Beech, associate at Frankham Consultancy Group, explains: "For this kind of environment, the products specified needed to be completely fit for purpose and robust. Young children will be using this facility, and so products need to be built to last and ensure users can move about safely and easily."





ARMY MUSEUM SALUTES REDESIGN

The National Army Museum has undergone a £23.75m redevelopment of its 1970/80s interior to transform the museum in Chelsea, designed by architects BDP. Its five themed galleries, laid out over four floors now circle a light and airy atrium.

In addition to the permanent galleries, the museum includes temporary exhibition space, a study centre and education spaces, a café, shop and 'Play Base' - a play area for children up to the age of eight.

Included in the re-fit were five pairs of TSA 160 NT automatic swing door operators from GEZE UK. These were fitted to

the corridor and entrance to the museum's boardroom and two doors to Play Base.

The TSA 160 NTs are electronically controlled, hydraulic swing door mechanisms which are ideal for heavy doors in high traffic areas, increasing accessibility.

There are also 10 TS 550 E floor springs and 60 Boxer integrated door closers fitted to manual doors throughout the building - from study areas and corridors to behind-the-scenes facilities.

GEZE UK's architectural ironmongery was specified by Interior Hardware, of Aldridge, in the West Midlands.

FULHAM BRASS UNDER NEW OWNERSHIP

Fulham Brass & Ironmongery Ltd, which has been owned by Conrad Sandler for the past 16 years, has been acquired by director Laura Glazier and Aaron M Fish, former chair and CEO of Ilco Unican, Montreal.

Colin Wilkins joins them at the helm as managing director ensuring the continuity of the business under two experienced DipGAI architectural ironmongers.

Conrad, a past chair and GAI Gold Medal holder, celebrated his 80th birthday last August and will continue to support the company and the new owners in a consultancy role.

Colin has been in charge of the day to day running of the company for the past three years and Laura brings her considerable architectural sales skills to ensure the growth of the business.

AIJ PEOPLE

■ Brio boosts team



Brio, the sliding and folding gear for interior and exterior door hardware firm, is strengthening its successful

sales team with the appointment of Nigel Walsh as business development manager. With more than 35 years of experience in the construction industry, Nigel has spent the past 15 specialising in garage door, sliding door systems, fixings and sliding door gear.

■ New Midlands manager for HOPPE (UK)



HOPPE (UK) has appointed Rob Thomas as business development manager for the Midlands.

With over 30 years in the door and architectural ironmongery industry, Rob has extensive experience in dealing with steel, timber and aluminium door sets.

Rob also completed his GAI Diploma and is currently working towards becoming a Registered Architectural Ironmonger (RegAI).

■ Allegion access boost



Allegion UK has appointed Philip Hamilton as business development manager of its UK business to

strengthen Allegion's business in the North.

Philip joins Allegion UK following 25 years in sales roles, with notable previous experience across a number of electronic security products manufacturers including Gardiner Technology as area sales manager.

At Allegion UK, he will play a key role in driving growth across the electronic access control, biometrics and hospitality product portfolio.

■ GEZE grows service



From left: Darren Salmon and Angus Grey

Two new key positions have been created by GEZE UK for its growing service division. Darren Salmon is now area service manager, southern region, while Angus Grey is undertaking the same role for the northern region.

Darren and Angus are responsible for leading and overseeing the recently expanded service teams, in particular the newly introduced six field operations supervisors who support engineers in the field.

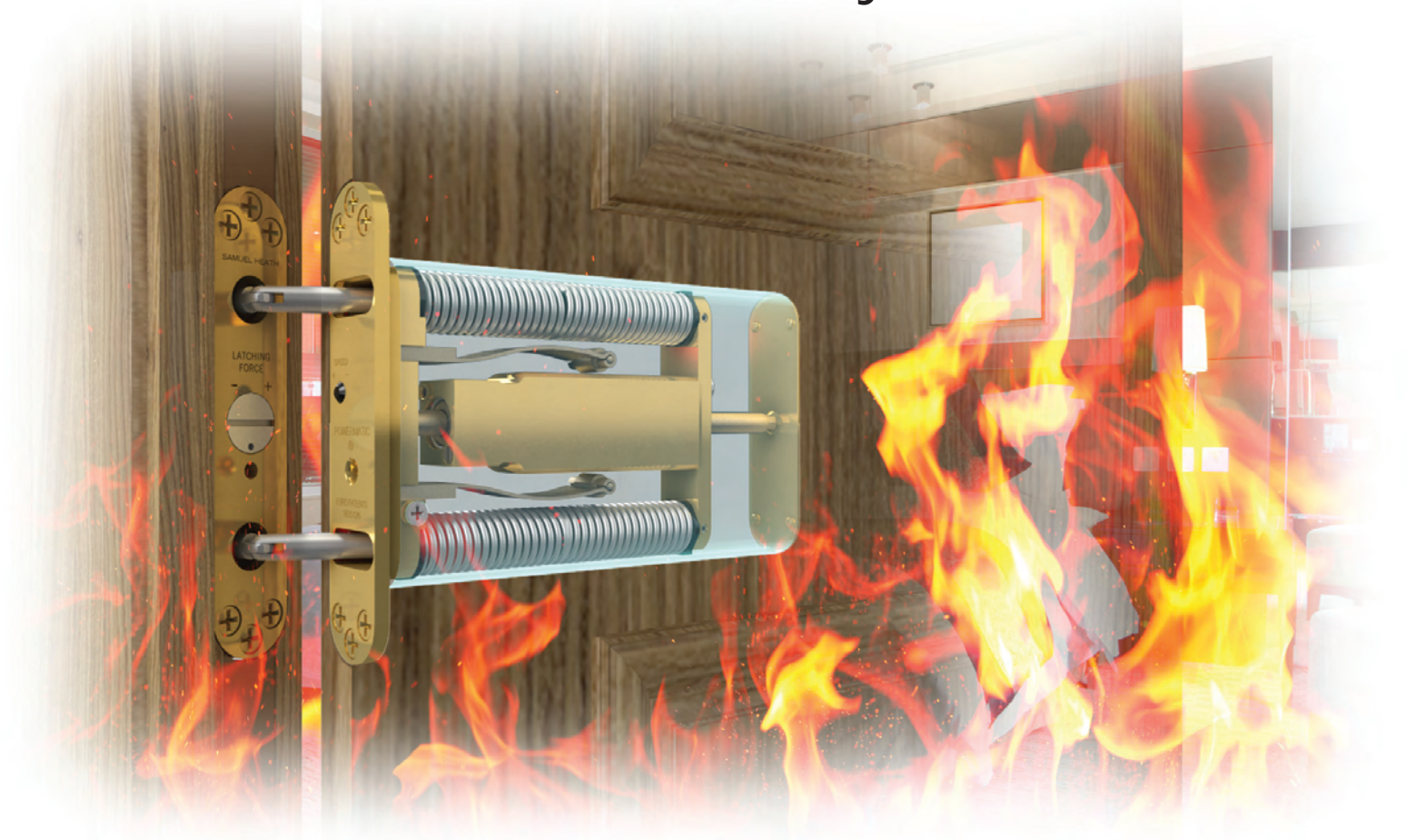
They will assist and co-ordinate many of GEZE UK's largest commercial service tenders, manage its key accounts, oversee the training and development of team members and undertake liaison with health and safety to ensure compliance with legal requirements and company policies.

Darren has worked at GEZE UK for six years and until recently headed the Farnborough-based service team.

Angus has been with GEZE since 2005 launching and managing the northern service region based in North Shields.

POWERMATIC®

Concealment when you want it
Performance where you need it



Designed and manufactured in the UK, Powermatic controlled, concealed door closers deliver exceptional performance as well as a host of benefits that surface-mounted closers cannot match:-

- Superior aesthetics
- Reduced risk of vandalism or tampering
- Suitability for anti-ligature applications
- Compliance with relevant fire performance standards for one-hour and half-hour fire doors
- Enable doors to meet accessibility requirements
- Perfect for Hotels, social housing, health, care homes, secure accommodation, commercial and many other situations.
- Available in standard and Free Swing models

Dedicated door closer website: concealeddoorclosers.com

Tel 0121 766 4200 info@samuel-heath.com

SAMUEL HEATH

since 1820



AN AIR OF ACADEMIC EXCELLENCE

Jesus College Cambridge has installed ventilation products as part of its refurbishment to the West Court. A natural ventilation system is integrated into four areas of the development, including a conference room with the iconic Lantern Tower, lobby and reception area, and uses GEZE's Slimchain automatic window drive and is managed by the WS 1000 touch screen indoor climate building control.

This is connected to a weather station and together they balance internal conditions such as air quality, temperature and humidity with external elements such as rain and wind speeds to achieve desired requirements.

Experts believe that improving indoor air quality by utilising natural air flow significantly improves cognitive performance – ideal for a building which houses the College's new Intellectual Forum, a spearheading research organisation that applies critical-thinking to global problems.

The Slimchain actuator range's design sat neatly with architect Niall McLaughlin's design which combined organic aesthetics with the exacting demands of functionality to create a multi-purpose development within an historic setting.

West Court was a three-phase development which involved the renovation of existing buildings and incorporated part of the historic Wesley House. This was a red-brick training college for

Methodist ministers designed by Maurice Everett Webb but in the 1970s, a section spanning the city's medieval King's Ditch, was filled with a contemporary building.

The McLaughlin practice was given the task of envisaging a new frontage for the Jesus Lane infill, along with new parts to the building, after winning a competition when the project got underway in 2014.

McLaughlin has used natural ash to clad the building and this flows through to its interiors.

The windows can be concealed by wooden louvred shutters which are a design feature repeated around the building. These are not only part of the aesthetic, and a possible nod to the building's historic setting, but have practical uses including adjusting light levels when staging lectures and presentations.

The facilities include:

- a social centre, including a student events space – with its own micro-brewery
- an academic centre with 180-seat lecture theatre
- a suite of meeting and interactive rooms
- offices for research staff
- accommodation for visiting scholars.
- the Laura Case Medical Teaching Suite

West Court is also home to the Cambridge Peking University China Centre.

TOUGH DOOR AND MARKET CONDITIONS

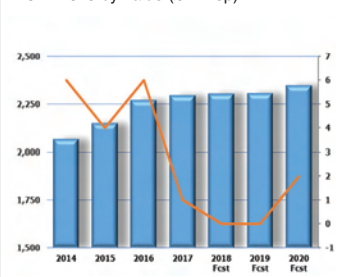
The UK door and window fabricators market saw a strong performance between 2013 and 2016 but appears to have flattened out in 2017.

Findings from AMA Research's Door & Window Fabricators Market Report – UK 2018-2022' shows the key defining factors that continue to pervade the market include: market maturity, fragmentation,

competition, cost-management, building legislation, 'green' building, tough market conditions and diversification. Competition between suppliers remains intense particularly given the current challenging economic environment. Growth prospects therefore remain modest with only marginal growth at best forecast in the short term.

Jane Tarver of AMA Research said: "In 2018, the prospects for this industry remain challenging with little or no growth forecast, but longer term the outlook is mildly optimistic with lower growth forecast than in previous years but for a return to average growth of around 2-3% towards the end of the forecast period." See more at www.amaresearch.co.uk

UK Door & Window Fabricators Market - 2014-2020 by Value (£m msp)



DESIGN MUSEUM INSTALLS NEW SECURITY SYSTEM

The Design Museum in Kensington, London, has installed new products to secure doors within the building and form part of a security system that protects high value assets and exhibits.

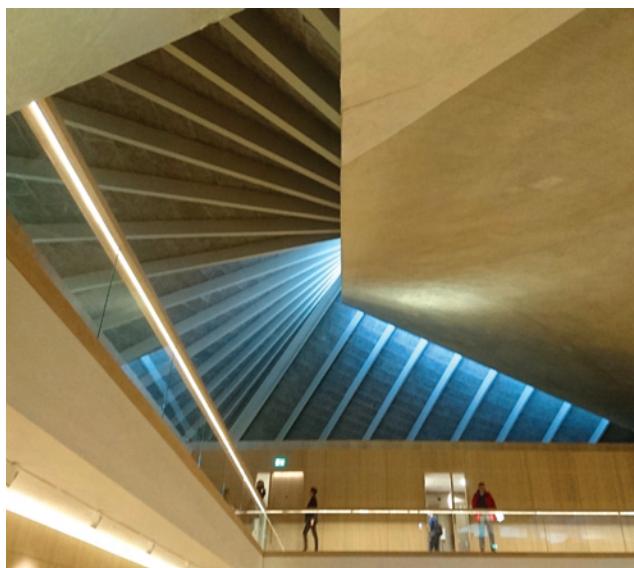
The museum (pictured below), which opened to the public in November 2016, required a new master key system within the schedule.

The museum used over 56 PROTEC2 CLIQ® electromechanical cylinders from Abloy UK, a control system based on mechanical high-security disc cylinders

combined with highly encrypted electronic locking and identification.

There are a number of different contractors on site every day and a mechanical option gave the museum's security team more flexibility to change access, eliminating the need to change cylinders.

Brian Reeves, head of facilities at the Design Museum, said: "We felt that a traditional cylinder locking system wouldn't work for us, because if keys were lost we'd have to replace the whole suite. By using CLIQ® we can just replace the lost key, or cancel access. The system also allows us to audit access, giving us more granular control over the building."



PAUL THE ARCHIVIST

GAI MEMBER ACHIEVES ROYAL STAMP OF SUCCESS

Turnstyle Designs Ltd, members of the GAI, have won the Queen's Award for Enterprise. The honour was awarded in April in the category of 'International Trade' in recognition of exceptional export sales.

Turnstyle Designs exports to over 40 countries with dealer partners in 21. The USA is the largest, where export accounts

for over 70% of production. The award was given for three years of rapid growth growing by over 17%, with overall sales growth at 41%. A clear strategy for further growth and development was recognised by the voting panel.

Stephen Roberts, managing director, and Christina Roberts, product designer have been invited to a special reception, hosted by Prince Charles at Buckingham Palace at the end of June. Turnstyle is also allowed to use the Queen's Award Emblem in its marketing.

SIMONSWERK
HINGE SYSTEMS

TECTUS® Glass

Flush glass doors
in the limelight

Minimalist
Elegant
Transparent



Visit us!

100% DESIGN

Olympia London
19-22 September 2018
Stand D415



Find out more:
www.tectus-glass.com

GAI TALK ANGIE CORKHILL

// By the time you read this issue of AIJ, the final Hackitt Review report and recommendations will be published.



This is an independent review of Building Regulations and Fire Safety, commissioned by government following the Grenfell Tower fire to make recommendations on the future regulatory system. This report is pivotal to the future of the

construction industry we serve and all its customers.

It won't surprise you that the issue of competence is repeated over and over again through this report.

As the interim report warned last December, there is a need to raise levels of competence and to establish formal accreditation of those engaged in the fire prevention aspects of the design, construction, inspection and maintenance of high-rise residential and complex buildings. Indeed, we'd argue that should be there for all buildings, not just the 'risky' ones.

So, if you are an architect, a specifier, an interior designer or a contractor, how are you going to know if others in your supply chain have the necessary competence?

When it comes to architectural ironmongery, competence means a very detailed level of knowledge about the hinges, handles, locks, closers, smoke and intumescent seals and all the hardware that performs an essential role in the integrity of fire doors. It's a very complex area.

It means, at the very least, a formal qualification such as the GAI's Diploma in Architectural Hardware or the FDIS Diploma in Fire Doors.

You should be on the lookout for a Registered Architectural Ironmonger (with RegAI after their name). RegAI status is at the heart of everything the GAI stands for – the highest possible standards of education and professionalism.

People who have achieved RegAI status use their qualification as a differentiator to show clients that they are more competent than their competitors and that their knowledge is constantly updated. That's the fire safety standard that we should all demand.

Angie Corkhill
Director

NEW INSTITUTE CHAIR ANNOUNCED AT IAI AGM

The Institute of Architectural Ironmongers (IAI) has appointed Jo Milne-Rowe as its new national chair. The appointment was announced at the IAI's AGM on 27-28 April.

Jo has been in the industry for over 20 years and has a wealth of experience in architectural hardware, mechanical security and electronic access control.

For the past year Jo has served as IAI vice chair alongside her current role as business development manager at Codelocks. Before this, she served as chair of the South East region of the IAI.

Jo said: "I hope that as chair, I can play a role in changing certain perceptions about the industry and encourage the next generation of talent to seek a career in our ever-changing sector. This is a forward-looking organisation, committed to professional standards and raising the profile of Registered Architectural Ironmongers.

"The Institute is its members, and I want the members to know that I'm here to listen to their thoughts and ideas for taking the IAI forward."

Mario Del-Signore, outgoing chair of the IAI, said: "In her role



as vice chair and in her previous position as chair of the south east region, Jo has more than proved her commitment to improving communication and engagement among members. I have no doubt that she will continue to take the Institute from strength to strength."

Mario Del-Signore was recognised at the AGM for his service to the Institute and his many achievements during his chairmanship, including initiatives to increase the IAI's presence in Asia and the Middle East.

Replacing Jo as vice chair of the IAI is current south west branch chair Deborah Chance, customer support team leader at dormakaba.

Deborah has nearly 18 years of industry experience is a GAI Diploma holder, a FDIS Diploma holder and a RegAI. During this time she has acquired extensive knowledge of ironmongery, in particular mechanical key systems and access control products.

[See p14 for an interview with Jo.](#)

GAI APPOINTS NEW MARKETING MANAGER



The GAI has appointed Neetta Brown as its new marketing manager.

Neetta (pictured) has more than 10 years marketing experience including in digital content, events management and internal communications. Since joining the Guild in February this year Neetta has been busy with the

organisation of the IAI AGM and Awards and the GAI Conference that took place in April and May. Angie Corkhill, director of the GAI, said: "Neetta is a great asset to the head office team, and has already made her mark with two very successful events. The Guild is about to overhaul its member engagement system and Neetta will be leading these changes."

Neetta said: "It has been great to meet the members at the recent events. All the members come together to raise awareness of the importance of correctly specified ironmongery at every opportunity and I'm looking forward to promoting this message even further."



From left to right: IAI award winners: Teresa McQuay, Samantha Thatcher, Amanda Haley and Maria Powell collecting on behalf of Sarah Lewis

TOP BRASS: FEMALE HARDWARE EXPERTS LEAD THE IAI AWARDS

For the first time in the IAI's history, all of the winners at the IAI Awards were female architectural ironmongers.

The best industry professionals and most promising newcomers within the international door hardware industry were recognised at an IAI awards ceremony in April.

The IAI Fellowship Award is always given to an individual who has shown a longstanding and ongoing commitment to the IAI over at least 10 years, and who is still actively involved within the industry and Institute.

This year's winner was Teresa McQuay, managing director at JEB Supplies. Teresa was presented with the Fellowship Award for her commitment to staff training and development through the GAI education programme.

After completing the GAI Diploma and becoming a RegAI in 2005, reaching the highest level of professionalism in the door hardware industry, Teresa continued to work closely with the GAI to encourage

others to gain the globally recognised qualification. Every member of customer facing staff at Teresa's company now holds the GAI Diploma.

The Paul Lewis Award for Customer Service is given to an individual, group or company that has made an outstanding commitment to customer services throughout the year. The award is sponsored by Royde & Tucker, and this year went to Sarah Lewis, specification manager at Lorient.

Sarah was chosen as the winner because of her commitment to educating customers about the importance of fire door hardware. Part of this involves visiting architects, specifiers and builders' merchants across the country delivering CPD presentations.

The GAI Award for Services to the Institute is always awarded to a current IAI member who has made a recent and visible

contribution at branch level. This year's winner was Amanda Haley, technical and marketing director at Ian Firth Hardware.

Amanda has been involved with both the Institute and the GAI since 2001. When she completed her GAI Diploma she became a member of the north west IAI branch and has been delivering CPD presentations to its members for over 10 years. Amanda is now chair of the branch.

The Promising Ironmonger of the Year Award went to Samantha Thatcher, office and marketing manager at SDS London. This award is given to the brightest ironmongers in the early stages of their careers. They could be involved in scheduling, estimating, sales or a combination of them all, and the award also recognises they have the charisma and personality to inspire others.

Samantha joined SDS London in 2011 with no knowledge of ironmongery. She has gone on to demonstrate her commitment to learning by recently completing the GAI Diploma and regularly attending IAI branch meetings. Samantha is in charge of a team of six, while also maintaining the social media and email marketing of the company.

Jo Milne-Rowe, the newly appointed chair of the IAI, said: "Year upon year we see the remarkable levels of commitment shown by the Institute members. It is a joy to celebrate the outstanding individuals that we have in our industry and use them to give the next generation of ironmongers something to aspire to."

The IAI Awards were given at a dinner following the Institute's AGM, an event that also included CPD opportunities for Institute members and an Ironmongers' Village area with new door hardware products on display.

NEW GAI MEMBERS

Accepted Full members

Didon General trading LLC - UAE
Till & Whitehead Limited - UK

Accepted Affiliate members

Ahmarra Door Solutions - UK
Selectrite Hardware - UK
Dortrend International - UK

SHIFTING SANDS

Andreas Häberli, excites members about the opportunities presented by the 'digital twin'

Keynote speakers at this year's GAI conference highlighted how the tectonic plates of the industry are shifting, economically, regulatorily and technologically. Will you thrive or survive?



In a London bathed in summer sunshine, GAI members and guests gathered at the GAI AGM and conference for an afternoon of stimulating talks and networking.

David Stacey, the GAI president, led AGM proceedings, reflected on his first year in the position and highlighted the progress of One Future Vision – an initiative to create a stronger voice for architectural ironmongery specialists in the future. Managing director of GEZE UK, Kaz Spiewakowski introduced the conference guest speakers.

Cautiously positive

Providing an economic overview of the economic state of the construction industry in the UK, Michael Dall, lead economist at Barbour ABI, told assembled guests he was “cautiously positive”.

The UK has experienced mixed fortunes – employment is at its highest but productivity isn't rising and compared to elsewhere in the world the UK economy is not faring well – a boost from infrastructure contracts in 2017 (most notably high speed rail projects) spiked the figures and disguised an overall softening of contracts awarded. “Brexit is causing many investors to hover over the pause button; and it also reduces the number of skilled workers from the EU which equals the number of UK labourers, especially in London.”



Michael pointed to commercial and retail as sectors experiencing a real drop in the number and total value projects, especially in London; infrastructure accounted for nearly half of the value of contracts awarded (thanks to HS2); and residential is the next biggest sector, accounting for 26% of contracts. Michael expects this to continue if supported by government incentives like Help to Buy.

A cautious welcome

Jonathan O'Neill, managing director of the Fire Protection Association, took to the podium in possibly one of the best-timed talks of the week: just 24-hours after the Hackitt Inquiry released its final report.

Not one to mince his words or hold back on opinion, Jonathan welcomed some of the findings, such as a review of the Approved Document B – making it simple to understand



“Brexit is causing many investors to hover over the pause button and it increases the lack of young skilled workers.”

Michael Dall (above) outlines the economic landscape for UK construction and Jonathan O'Neill (left) responds to the Hackitt report

and implement – but said the report did not go far enough. He looked forward to the public enquiry being led by Sir Martin Moore-Bick which he expects to go further and predicts conclusions to be far-reaching.

Installation by competent persons and ongoing regular inspection of tested fire stopping devices and systems by competent persons should be a non-negotiable outcome.

“Whoever provides the best customer journey will prevail. You have to change the business and customer experience”

Meet the digital twin

Andreas Häberli, chief technology officer at dormakaba, opened members' eyes to the impact on the industry of the fourth industrial revolution. The digital twin, as new cyber physical systems have been dubbed, is disrupting all areas of industry and business but, Andreas says, it needs to be seen as an opportunity not a threat. It will require the industry to adopt a mindset change – to see technology as a way to provide customer value. Als should use technology to immerse customers in new ways and link products with services, individualising products and demonstrating its value. “We are not a boring industry, we save lives,” said Andreas.

“Whoever provides the best customer journey will prevail,” he said. “So it's vital that firms invest in the right technology, are mature and know how and when to use it. This is about ‘not playing a game’, you have to change the business and the customer experience chain.” This means building digital, changing the sales funnel, engaging with customers in new ways.

Andreas quoted management guru Peter Drucker to prove his point: “Culture eats strategy for breakfast”.

A thread emerges from the conference: the industry sits on the brink of change. The smart players will steal a march. ■

PUSHING PROFESSIONALISM



Jo Milne-Rowe, the new chair of the IAI, will be using her platform to promote RegAI

Congratulations on the chair position. What will be your key agenda during your time at the helm?

I'll be focussing on promoting Registered Architectural Ironmongers and the professional development of the IAI members. I'd like to see our members notice an increase in enquiries, clients looking for specification advice from a qualified and registered member, clients understanding that by choosing an expert with the RegAI status to guide them with their ironmongery specifications means they will receive the best and most up-to-date advice available.

These clients need to know where to find a RegAI and what difference they can make to their projects. Ultimately I want to see so many more of the thousands of GAI diploma holders becoming RegAI's and continuing with their professional development.

How do you plan to promote the RegAI status? What can the industry do?

There is still a lot of work to be done: we'll be promoting the RegAI qualification with regular presence in relevant architectural and construction journals.

What we need the industry to do is to wear the RegAI letters and badge with pride,

talk to clients about what the qualification means. Help clients to understand just how important it is to stay up to date with industry standards and how quickly regulations can change – especially at such a critical time when ironmongery and fire door safety are under the spotlight.

We have created an architect's guide* which promotes the role of RegAI's in the specification of door hardware. Members can distribute copies to their clients and potential clients and just help to spread the word. At the end of the day, the Institute is its members and self promotion can only help us all.

Gender parity is a key issue in the architectural industry currently: women are leaving, not paid equally and RIBA is launching initiatives to attract women. What are your thoughts on being a woman in the AI industry?

I find the subject of gender a difficult one: when I look at my colleagues and peers, I do not associate their gender with their abilities or professional standing. It's a difficult topic to discuss and the industry pay gap figures are clear and hopefully the gap will close with more women coming into the industry and being credited as deserved.

I personally have not experienced any negativity due to fact that I'm a female. I've always been aware that the industry really is dominated by men, but this has never made it difficult for me to personally progress and I am very happy with the path my career has taken.

At the IAI we have proven that women in the industry are as successful as the men, with a female chair, female vice chair and four female award winners this year. ■

***Specification of Door Hardware – An Architect's Guide is available from the Members' area of the GAI website.**

REGAI: THE MARK OF PROFESSIONALISM

RegAI status is the benchmark standard for architectural ironmongery and one which lies at the very heart of what the GAI stands for – the highest possible standards of education and professionalism. This status requires that every architectural ironmonger is a qualified GAI Diploma holder and has been able to prove that they are fully up-to-date with industry standards, regulations and legislation.

Attendance at Institute of Architectural Ironmongers Branch meetings is an integral part

of being a Registered Architectural Ironmonger within the UK. The IAI currently has branches in the South West, South Central, South East, Midlands, North West, North East, Wales, Hong Kong, Dubai and Ireland (Northern and the Republic).

Earning RegAI status

Diploma holders who wish to become RegAI must register to collect CPD points throughout the calendar year, and then apply for RegAI status at the end of the year having collected the

requisite 10 CPD points. In order to gain CPD points, annual coursework log sheets must be completed. You can access, complete and return these electronically. All CPD activities completed must be recorded on a log sheet.

Find a RegAI

For architects, specifiers and contractors looking to appoint a RegAI, the GAI website contains a list of current RegAIs. Visit www.gai.org.uk/RegAI-locator



CODELOCKS

control + convenience

SIMPLE ACCESS CONTROL

Committed to delivering the highest quality access control products to both commercial and domestic customers worldwide.

+44 (0) 1635 239645 | www.codelocks.com | sales@codelocks.com



UNLOCKING THE DOORS OF OPPORTUNITY



Fire, Security, Environmental and Endurance Testing of Doorsets and Building Hardware

- New European Testing Laboratory
- Testing to UL, EN and BHMA Standards for Global Market Access
- Door and hardware testing
- Weather resistance
- Security of doorsets and windows

Learn more here:

UL.com/door-and-hardware-lab

UL Door and Hardware Laboratory

Warrington, United Kingdom

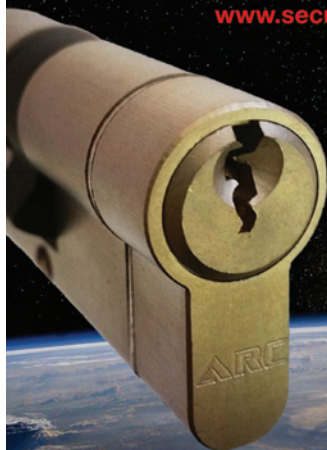
E: BuildingLifeSafety.eu@ul.com

T: +44.1925.258.876

UL, the UL Logo, and UL certification marks are trademarks of UL LLC
© 2017. Other marks are the property of their respective owners.

ARC

www.secure-arc.com



S-R Range

Anti-Pick
Anti-Drill
Anti-Pull
Anti-Snap

R-R Range

Anti-Pick
Anti-Drill
Anti-Pull
Anti-Snap
Anti-Panic

Fully Restricted Key Profile

Great Products that don't cost the Earth!

Secure ARC Ltd, Unit 36 Waterloo Ind Est, Bolton BL1 2TN

Tel: 01204 393212 Fax: 01204 521752

Bespoke

Bespoke Keyed Alike
Bespoke Master Keyed Systems
Classroom Function
Anti-Barricade Function
Anti-Ligature
Special Size Requirements
Bespoke Colour Requirements

Off the Shelf

Keyed to Differ - Architectural
Keyed to Differ - Contract
Keyed Alike
Stock Master Systems
WC Cylinders

Same Day/Next Day Dispatch



OPINION • PAUL REES

I've spent most of my 20 year career working in both small and large multi-disciplinary architectural practices. As a Chartered Architect I've met a wide variety of people and gained invaluable experience from most of them. During this time, there have been significant changes, through social, political, financial, technological and dare I say, tragic events. The industry is usually the first affected by a recession and last to recover. When construction slows, or even stops for whatever reason, it can have a far-reaching impact upon employment and communities, especially when businesses cease trading; look at Carillion.

On the positive side though, the changes give us an opportunity to adapt and embrace the lessons learnt from experiences. These are expressed in our ever-changing built environment; where our cities, towns and villages respond to our diversifying needs and requirements. Cities are no longer just for working in, but also for living in. This built environment is an ever more conscious aspect of our life, as we become more aware of various social and mental issues, either in the workplace or home.

This can be easily demonstrated by the proliferation of architectural programmes on television. Documenting new buildings, refurbishments, extensions, or revealing the already completed buildings most of us aspire to, there are a wide range of shows displaying what we could have. While some attempt to convince us we can achieve it for next to nothing, some attempt to promote the benefit of great design and the advantages of involving an architect.



In the first of his regular columns architect **Paul Rees** feels his profession is misunderstood and undervalued

Unfortunately, this promotion of using others' knowledge and experience is overlooked by a large proportion of the public and property or land owners. I am continuously faced with potential clients – including commercial not just domestic – who 'just want some plans drawn up'.

Understanding what a client needs (not just what they want) is an intrinsic part of what we do and I often find myself having to explain that their proposals won't work and that they require a lot more than just a few plans to successfully progress the project.

Then I'm usually informed that the other architects they've seen said they would draw it up; and therein lies the problem: not everyone who draws plans is an architect.

There are a lot of clients who still don't seem to understand what an architect does and in turn don't appreciate the full extent of services offered or the benefits we bring. Despite numerous sources advising the appointment of architects, this information isn't readily explained in any great detail.

// We all look for value for money but this isn't necessarily the cheapest option"

Equally important is the client's attitude to the project. We all look for value for money, in whatever we do, but this isn't necessarily the cheapest option. My experience shows that even when advice is sought, decisions are, more often than not, made on cost. Consequently, a lot of people end up appointing technicians or draftsmen who will happily draw up only what they've been asked to. Inevitably, a carefully thought-out process is not undertaken, which results in poor quality design (often missing the best option) and preparation of inadequate information on which to progress the project. The outcome is various difficulties throughout the project and a client who pays possibly more in the long run, while never fully realising the potential of the project or the building.

The challenge we all face is explaining to potential clients, the real value that we can bring to their project. ■

FACTORY RESTORE

The conversion of the iconic Hoover building to flats has married modern with heritage thanks to a balance of retaining original details and sensitive specifications. **Nicky Roger** reports



If you've ever driven down the A40 in London you can't have missed The Hoover Building. A huge art deco façade set behind a vast sweeping lawn isn't your standard capital stock.

The red, white and blue landmark with its 15-bay façade is a fantastic example of art deco design on the arterial Western Avenue, Perivale, Ealing and the Grade 2* listed building has now been turned into 66 residential flats – completed this March – scooping an International Property Award as a result. It picked up the residential development category in the awards which recognise quality of design, construction and presentation of properties interiors, architecture and marketing.

Grand ambition

The building was designed by Wallis, Gilbert & Partners in 1931 for the Hoover vacuum cleaner company and used as its UK headquarters, manufacturing and repairs centre. The main building was part of a complex which extended through the site, employed 1,600 people and was considered a 'model' factory with regards to worker welfare in its day.

The design, which was incredibly ambitious, took on a grand, palatial façade of huge columns and recessed glass bay windows, but the most

The entrance to the Hoover building with its nod to ancient Egypt so beloved of the art deco era

WHO DID WHAT

Contractor: IDM Construction

Doors & ironmongery:

Local carpenter

M&E: Oakley M&E

Acoustics: Sound Advice

Transport consultant:

Ardent Consulting

Building Control:

Assent Building Control

Fire engineer:

Omega Fire Engineering

Lighting design: Swann Lighting

Photography: Morley von Sternberg

iconic feature was the central entrance which was decorated above with a dramatic, geometric sunburst pattern, which sat beneath the huge “Hoover Limited” lettering.

Hoover would go on to open its doors in 1933 while continuing to work on extending the factory, and in 1934 it received a Grade II listing.

In the early 1980s Hoover had switched production to a site in Scotland. The building was neglected and fell into disrepair with the concrete construction of the building giving cause for concern and symptomatic of what was known as concrete spalling.

Tesco magnificently restored and rescued the building, transforming it into a superstore with a difference. The supermarket took a huge risk in taking



“One of these days the Hoover factory is gonna be all the rage in those fashionable pages.”

Elvis Costello, Hoover Factory, 1980

on a project with such architectural importance, but have arguably contributed to the preservation of this piece of architectural history.

After several years of sitting vacant, IDM Properties acquired the Hoover Building in 2015, with plans to redevelop the building into residential accommodation, converting the premises into 66 apartments ranging from studio apartments to three-bedroom homes. It completed in March this year.

The redevelopment was designed by Interrobang, a transdisciplinary architecture and engineering practice. IDM says the building required careful and considered design in its conversion from commercial

to residential units. “It was vital to complement the historic fabric and utilise the existing structure to ensure the continued legacy of this important building,” says Jonathan Curtis a partner at the firm.

“We needed to keep the heritage to make the flats different from others on the market but we didn’t want it slamming you in the face. We needed a balanced and subtle design.”

English Heritage supervised the restoration of original features such as Crittall windows and the entrance foyer’s wrought-iron banisters and Travertine floors.

Original art deco features were retained or replicated internally wherever possible. >>>

The interior has remained faithful to the original art deco detail including floors, doors and stairways





The impressive façade and sweeping entrance of the Hoover building; and, below, the Crittall windows

// Custom-made internal doors were commissioned, finished in white with art deco ironmongery, based on an original Hoover patent"

Custom-made internal doors were finished in white with art deco ironmongery, based on an original Hoover patent. These were produced and sourced by a local carpenter. Kickplates remained original, skirting boards had period detail reciprocated. And the firm did a deal with Hoover appliances for a nice finishing touch.

Working closely as a trans-disciplinary team has allowed Interrobang to achieve an efficient scheme within an existing structure far less rational than its exterior may suggest. The London studio, which is headed up by architect Maria Smith and engineers Steve Webb and Andy Yates, was invited to oversee the sympathetic conversion of the building into dwellings. "The comprehensive renovation focused on a careful conservation of the historic fabric and insertion of a new timber structure



designed to minimise the increase in weight while maximising the number of new homes that could be created," said the studio.

One of Interrobang's key masterstrokes was the introduction of extra levels between the existing floor slabs, which required the construction of a new timber-framed mezzanine within the original double-height ground floor.

Prefabricated timber trusses hidden in walls help to support the new floors and roof, creating space for 14 maisonettes that look out through the restored triple-height Crittall windows.

The original sweeping staircase leads to 21 flats on the first floor, with the remaining 31 properties on the second floor. These include 12 apartments inserted into a new loft that replaces the old fibre-cement and steel roof. >>>



Your most durable suited range of **316 STAINLESS STEEL** door & window hardware available

blu

REQUEST
OUR **FREE**
96 PAGE
BLU BOOK

Request your **free blu book** and price list on sales@blu-performance.com or **01726 871 724**



www.blu-performance.com



mailboxesgb

Secured by Design



Police Preferred Specification

Mailboxes GB Ltd have an enviable reputation for supplying banks of mailboxes to meet customer's specifications from our in house range of mailboxes. More and more companies are using Mailbox GB Ltd in house technical staff to design banks of mailboxes to meet the most stringent requirements.

Mailboxes GB Ltd are continuously enhancing their stock of readily available mailboxes ensuring our customers have a diverse range of mailboxes in a range of finishes available for immediate delivery.

We pride ourselves in the ability to deliver a quality service and meet our customer's requirements and expectations at sensible and realistic prices.

If you are undertaking a project that requires mailboxes, if you would like our representative to call please call Mailboxes GB Ltd on 01922 452 111



MANUFACTURED IN BRITAIN

■ 01922 452111 ■ info@mailboxesgb.co.uk ■ www.mailboxesgb.co.uk



EXIDOR FLOOR SPRING

British Manufactured - Globally Trusted

- Highly efficient double cam action mechanism offering exceptional control over the motion of the door
- Outstanding capacity up to 600kg
- Electromagnetic hold open option
- Range of finishes with matching straps

WITH UP TO

600kg

WEIGHT
CAPACITY

CE MADE IN BRITAIN 

EXIDOR



www.exidor.co.uk | +44 (0)1543 578661 | sales@exidor.co.uk

// Many of the interior's original art deco features have been retained and restored, including grand staircases and wrought-iron bannisters

Each of the loft apartments has its own spiral stair entrance and features large roof lights that fill the interiors with natural light.

The construction of the new roof involved designing prefabricated timber trusses, A-frames and roof cassettes that slot in on top of the existing slender concrete columns and floor slabs to avoid the need to strengthen the original structure.

Many of the interior's original art deco features have been retained and restored, including grand staircases with wrought-iron bannisters, terrazzo flooring in the lobby and the colour scheme used in the corridors.

As IDM stated: "Together with English Heritage and London Borough of Ealing, IDM have invested heavily in the preservation and restoration of



the historic features that remain within this iconic national treasure. The architects have combined this with contemporary designs using modern build techniques that are sympathetic to the original site. Every design detail has been scrutinised to ensure a light, contemporary and functional living environment was achieved for each apartment." ■

Windows, staircases and custom-made doors and ironmongery keep the period detail

FIVE MORE OF LONDON'S ART DECO BUILDINGS



Carreras Cigarette Factory

This distinctive building opened in 1928, and its ostentatious architecture includes 12 enormous polychrome columns on the façade, decorated with Venetian glass, and 8.5ft-high bronze statues of the ancient Egyptian cat-goddess Bastet flanking the entrance.

The building was designed by Marcus Evelyn Collins and Owen Hyman Collins with Arthur George Porri.



The Dorchester

London boasts a handful of classic art deco hotels including The Savoy, Claridges, The Strand Palace and The Dorchester. This world-famous five-star hotel opened in 1931 when its creators envisioned it as the perfect hotel, complete with every modern convenience and fine luxury. The hotel has undergone many redesigns since then but its art deco architecture has helped maintain that grandeur to this day.



Broadcasting House

The BBC Broadcasting House in Portland Place may have had a modern refit but still sits as a classic art deco monument. This colossal nine-storey building (with a three-storey basement) opened in 1932 to the designs of George Val Myer and Watson Hart. It features a curved main façade topped with an elaborate clock. The flowing art deco interior was the work of Australian-Irish architect Raymond McGrath.



Eltham Palace

In 1933, a wealthy American couple Stephen and Virginia Courtauld acquired Eltham Palace, the ruined childhood home of Henry VIII. They set about restoring the remaining parts of the palace and created an elaborate home with sumptuous art deco interiors to live in themselves. The whole ensemble fell into disuse after the war but has been restored by English Heritage to its former glory, and is open to the public.



The Daily Telegraph Building

Former newspaper haunt Fleet Street is home to a number of beautiful art deco buildings, including The Daily Telegraph's old offices. The nearby Daily Express building also epitomises the style. The Daily Telegraph Building, completed in 1928 to the designs of Elcock, Sutcliffe & Tait, is a combination of Neoclassical (the large Doric columns) and art deco (the ornate clock and Egyptian motifs).





Time is money – quicker and better: HOPPE Quick-FitPlus

HOPPE Quick-FitPlus is the logical further development of the tried and tested HOPPE Quick-Fit connection. It is not just the door handles which can be fitted easily but also the attractive flat handle roses and escutcheons.

The HOPPE Quick-FitPlus is so easy to fit

The handle roses with through-going supporting lugs and door handles are simply fitted together, with the whole set able to be installed without the need for screws.

Product attributes	Special attributes
	
	Quick-FitPlus
	Quick-Fit



WALKING THE PLANCK



John Planck Ltd has built a reputation specifying to high-end, quality projects. **Nicky Roger** meets the man at the helm

Take a trip round John Planck Ltd's website and delve into the projects the firm supplies to and the vibe is very modern, luxurious, sharp – like a really good suit that oozes quality. You'd be forgiven for thinking this is a new entrant to the market but in fact the firm is knocking on the door of 30 years old. Somehow it has managed to marry industry experience with being in the vanguard of architectural ironmongery.

Was this a masterplan or a happy accident? Tom Planck the managing

director says it's a bit of both. "It's partly a deliberate strategic plan but it also evolved. We know the internet has become increasingly important to the running of a business so we had the website redesigned to tie in with our other marketing initiatives; and we know that first impressions matter so getting these right is important for us to stand out. The industry has changed and we try to stay ahead. But with our work – you do one job well and then you're asked to do another. Lots of our projects are now bespoke: the architect may ask if we can supply a particular

Tom Planck has overseen a modern business mature

// Through its wide portfolio John Planck Ltd has earned a reputation for upmarket quality projects and has won the GAI/RIBA Specifications awards no less than six times”

handle but in a special finish or a different size maybe, which we are capable of, but not too many others are. These days there are so many ‘standard’ handles to choose from that come from China, India, Europe, even the UK, but a lot of our clients want bespoke and quality.”

John Planck Ltd was started by Tom’s father in 1991 with just three employees: him, a sales director and a secretary (in pre-internet days someone had to type orders and schedules to send by post!). Over the next two decades the company grew substantially, but in 2012 came a milestone. The company’s board took the decision to close the London showroom and then the MD and sales director both left the business at the same time. What remained was a nucleus of younger staff in their current premises in the Historic Dockyard in Chatham, who refocused and embarked on a new era determined to keep the business a success. “We had lost some experience, but between those of us who remained we still had over 100 years of combined AI knowledge and experience. At the time it did feel like a new dawn for the company,” says Tom.

They retained the majority of their projects and customers but also developed new direct relationships with clients and developers. The company is now a relaxed team of 10 (some scattered beyond Kent) and projects span all business sectors from residential to leisure, hotels, education, government and commercial builds. Although there is no typical project or sector for the firm, a clear thread runs through all their work: it is undeniably high end. Current and recent projects supplied to include (take a breath): Nova apartments; Hop House apartments; The Imperial War Museum; the New

Bodleian Library, Oxford; Andaz Hotel, London; the Royal Opera House’s new grand entrance and theatre (the Opera House is a longstanding client); Crowne Plaza Hotel at Heathrow T4; Great Scotland yard; Old Admiralty Buildings and the Baltimore Tower in Docklands (see p5). To name just a few.

Through its wide portfolio John Planck Ltd has earned a reputation for upmarket, quality projects and has won the GAI/RIBA Specification Awards no less than six times with a further six commendations.

Feel the quality

Working directly with developers and clients has its advantages, says Planck. “They have a vested interest in the end results so will listen and work with us.” But Planck is no stranger to the challenges facing the entire industry. >>>

The ‘Wishbone’ hall stand from Planck’s Danish supplier Frost; the HM8102 series of mailboxes in the Baltimore Wharf development





// Every job is different – different styles, finishes, quality – but it's satisfying doing a good job that will work, last and the client will be happy with.

"For the past 15 years design and build has made the contractor king. They have targets and profits which is understandable, but there is a lack of education on their part. Contractors don't know what RegAI is. Indeed I don't think many within RIBA know! RegAI and even the GAI/RIBA endorsed 'Guildmark' accreditation might be the recommended standard to work with but unfortunately they are very rarely noted within any project particulars. I know the IAI and the GAI are trying to raise awareness but it is not being heard by contractors in particular.

"The general perception is that cheaper wins. And the lack of education means that if we go in with a schedule and someone else goes in

with a schedule that appears the same but is, for example, lowering the grade of stainless steel. A Gr 202 hollow lever handle won't last like a Gr316 solid, for instance but the contractor thinks they look the same and as one costs £10 compared to £35 that's how they make the decision. But it's up to us to be professional and show them the difference in the quality and value and the effect on lifetime costs."

And when you get that buy-in, says Tom, that's where the job satisfaction lies. "Every job is different – different styles, finishes, quality – but it's satisfying doing a good job that will work, last and the client will be happy with. It's rewarding producing a decent schedule and seeing it all the way through."

Expansion plans

Next on the plan for the business is to continue its diversification and include automatics, access control and doorsets in its offer. "We have supplied automatics using dormakaba and GEZE UK resources but now we have dedicated staff to put together a complete package," says Tom. "The

The Hyatt Andaz lobby lounge (above); Nova (far left) and The Royal Opera House are all part of the Planck portfolio

Below: Tom picking up the firm's Finalist prize at the Medway Business Awards back in 2016

growth in demand for wireless and barrier-free access has expedited this. We have toyed with supplying doorsets for a few years but didn't want to run before we could walk as it's a bigger risk than ironmongery. But success is down to knowledge and who you partner with and we have developed good relationships. We are slowly building up experience and identifying projects we're comfortable with, with clients we know well."

If the Planck philosophy of picking discerning clients, quality product and professionalism as a watchword it seems a sure bet the new broadened offer will be a success. ■



PRECIOUS. PROTECT. FINGERS AT DOORS

ZERO*plus*



FINPROTECT PLUS FINGER PROTECTION STRIPS

The professional solution to preventing painful finger injuries.

Safety management is important in professional childcare. However, accidents are also just waiting to happen at schools, hospitals and homes for the elderly, and safety requires constant attention.

In this world of litigation, Schools particularly cannot afford to be left open to the charge of being negligent when it comes to ensuring a child's safety whilst in their care. Indeed, the incidence of children being harmed by having fingers trapped in the hinge side of the door is increasing. In the worst cases there have even been horrific incidents of children losing the ends of their fingers.

Finprotect Plus finger protection strips are anti-trapping devices that protect children's fingers at the most dangerous side of the door: the hanging side. This is the side of the door where accidents can have serious consequences for thousands of children every year. It is so easy for little fingers to be trapped, crushed or pinched as a door closes.

Fitting Finprotect Plus at the hanging side stops children's fingers getting trapped and prevents every parent's worst nightmare.

Available in a wide range of colours:



All the features at a glance:

- Prevents finger trapping on both sides of the door
- Suitable for use on internal or external doors
- Easily fitted and can be temporarily removed if required
- Suitable for all door constructions
- Strong design with 5-year guarantee, tested to 1 million cycles
- TÜV certified
- Available in 1980mm & 2500mm lengths
- New colour - Anthracite Grey (RAL7016)

ZERO SEAL SYSTEMS LTD: 01785 282910

FIND OUT MORE AT: WWW.ZEROPLUS.CO.UK/FINPROTECT



A WELCOME CHANGE

The Hackitt inquiry published its review conclusions at the end of May. Here **Douglas Masterson** lays out the GAI response to the findings

The GAI has welcomed the findings and recommendations of the Independent Review of Building Regulations and Fire Safety.

The GAI submitted a number of its members' own recommendations to the Review during the call for evidence consultation process and is pleased that many of these points have been taken up in the final report. These include:

- **Importance of fire doors.** One of the over-arching messages passed on by the GAI through its members' recommendations is to reinforce the message that fire doors are in themselves a "life safety product". It is pleasing to the GAI that strong emphasis on fire doors is made in the report.

- **Increased emphasis on competence.** The GAI's education portfolio is the only recognised programme in the world that leads

to a qualification in architectural ironmongery to British and European standards.

- **Higher commitment to continuous improvement to standards and test procedures.** The GAI has long been an intrinsic part of standards-making, both at BS and EN level.

- **Significantly reduced scope for substitution of any products used in a system without further full testing.** Spec-breaking and so-called "value-engineering" is endemic throughout construction so any means of discouraging this process is to be broadly welcomed.

- **Greater importance given to third party certification** The GAI pressed for mandatory third-party testing of products which are related to fire safety through schemes such as Certifire. Whilst this has not been specifically mandated, the stronger push in the final report towards third-party certification is greatly welcomed.



Dame Judith Hackitt

// The GAI pressed for mandatory third-party testing through such schemes as Certifire"

- **Clerk of Works.** The report has stated that "more clients may seek to utilise a Clerk of Works type role to act as their eyes and ears throughout the construction process". This was one of the key recommendations of GAI.

- **Greater clarity of Approved Documents.** The Hackitt Report recommends a radical design and content review of the current suite of Approved Documents using the Crystal Clear (plain English) standard and that the requirements of each do not contradict each other. Both were recommended by the GAI.

- **Greater Inspection and maintenance of fire doors.** Whilst the GAI proposed that the inspection and maintenance of fire doors should be mandatory under Building Regulations as is the case in Australia and USA, the Hackitt Report does not go as far as this. It does, however state that "for all residents and for landlords of properties in HRRBs, their obligations extend to ensuring that fire compartmentation from the inside of a flat, including the front doors, is maintained to a suitable standard." Whilst the preference would be for mandating fire door inspection and maintenance, and enshrining it in building regulation, it is a step in the right direction. The GAI is a co-owner of the Fire Door Inspection Scheme (FDIS).

- **Adoption of BIM.** The Review recommends that for new builds, a BIM approach should be phased in. The GAI has been highly vocal in its support of BIM and have provided 35 BIM product data templates to its members so they can provide Product Data Sheets to architects and contractors.

Any government recommendations which endorse best practice in the realm of construction, with particular regard to safety of fire door and associated product (including ironmongery) is welcomed by the GAI and its membership. The GAI looks forward to these proposals being set in motion at the earliest opportunity. ■

Douglas Masterson is the GAI technical manager.

LAUNCHING OUR NEW TS007 3-STAR EURO PROFILE CYLINDERS WITH BSI KITEMARK™ APPROVAL

High Security cylinders for use with security enhanced performance doorset assemblies

- Available across the CESylinder Range of Products
- Backward compatibility for use in existing system*
- Available across our range of CES Flavours Finishes
- Various lengths available including offsets
- Thumbturn Variants
- Available keyed to differ, keyed alike or as part of a master key system
- Available with three key change function

*not available on system RS6

CESylinder 



Contact the CESUK Team: CES Security Solutions Ltd ☎ +44-1634-713369 @ info@uk.ces.eu



powerful performance

Cooke Brothers offers an extensive range of hinges:

- Architectural Butt Hinges
- Continuous Hinges
- Pivot Fully Concealed Hinges
- Adjustable Hinges
- Specialist Hinge Solutions.

Call us on
01922 740011

sales@cookebrothers.co.uk
www.cookebrothers.co.uk



Standards for doorsets and related building hardware can be difficult to manage for manufacturers looking to exploit the opportunities that the global networks provide. European Standards in the European Union (EN Standards and requirements for enabling and maintaining CE Marking) and ANSI & UL Standards in the US, as well as regional standards in areas of the Middle East, are often difficult to manage, potentially hindering global expansion for manufacturers.

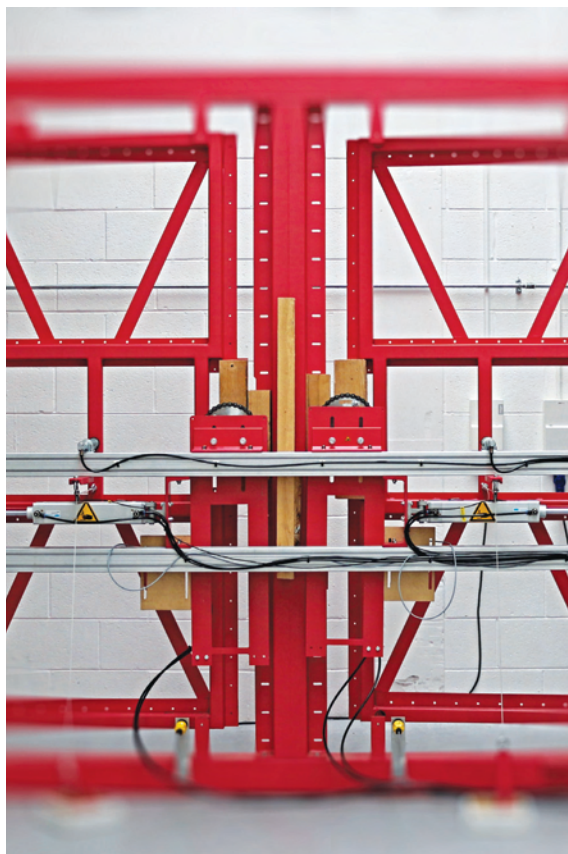
Fortunately, some standardisation is beginning to create cohesion in the industry as standards from the Builders Hardware Manufacturers Association (BHMA) are becoming more globally recognised and required to demonstrate not only market differentiation, but also increased safety. Regardless, managing the various tests required often means manufacturers have to work with multiple test samples and different external testing and certification bodies, creating a potentially cumbersome scenario.

EN Standards and The CE Mark: Where Are We?

Before looking at where the larger market is headed and what these standards mean for the future of the building hardware business, it is worth looking back at EN Standards and CE Mark developments for Europe for a brief refresh on where we are today.

The principal driver for change in the EU construction industry was the Construction Products Directive (CPD). With numerous different standards in place throughout the various countries within Europe, the CPD was intended to remove trade and market barriers and provide a minimum level of safety by establishing standardized requirements.

To this end CE Marking was introduced into the CPD in 1989. In 2013, the Construction Products Regulation (CPR) replaced the CPD and this increased the need to comply across many countries who had treated the CPD as voluntary; in effect



Tests and meeting standards can be demanding for manufacturers

TESTING TIMES

Matthew Schumann and Danny Forshaw, offer a guide for manufacturers on which standards apply to which geographical regions

the requirements became mandatory across all EU Member States.

Today, the CE Marking is required for many building hardware products offered for sale in the European Economical Area (EEA) regardless of where they are manufactured. As some of the items of building hardware are considered essential for the maintenance of safety, the testing and certification is required to be controlled by an external third party 'Notified Body'. This does not apply to all building hardware items but, depending upon their intended end use, does include door closers, hinges, hold-open devices, exit devices and locks/latches.

The requirements for CE Marking also includes the need to conduct regular 'audit' testing. All of this means that the producer now has more steps to get through to place the product on the European market; however, in theory at least, the products will all meet minimum safety levels thus providing an overall higher standard within buildings.

Within the European building hardware industry, the EU standards are now well established and understood and many are being updated on a regular basis to address the needs of the rapidly developing market in areas such as connected buildings and cyber security.

Similarly, products manufactured in but distributed outside of the EU are subject to additional country or region specific standards such as BHMA across North America, UL in the US and ULC in Canada.

Today, many BHMA standards are also recognised and accepted in the global market and occasionally mandatory in the marketplace. With the North American market proving both appealing and valuable to European manufacturers, understanding the requirements in this region is helpful for easing and speeding global market access.

The Importance of BHMA and UL/ULC Standards

Since its founding in 1925 as the Hardware Manufacturers' Statistical Association, the BHMA has worked

to help ensure the quality and performance of building hardware. Though BHMA has been an important figure in the US for some time, it is becoming increasingly credible for life safety and other door hardware issues in the US and around the world.

EN Standards and the CE Marking increasingly apply throughout the EU but do not always apply outside of Europe. However, the BHMA mark is gaining credibility around the globe and is a technical and commercial differentiator between products for architects, consumers, and designers alike. As an American National Standards Institute (ANSI) accredited standards development body, BHMA is both a commercial differentiator and a potentially important mark for EU manufacturers considering export to various countries, including USA, China, Hong Kong and other Asian markets. Some BHMA authored standards are now also referenced by regulatory groups in the US, including The National Fire Protection Association (NFPA) and The International Code Council (ICC).

Performance tests

Regardless of the applicable standards within a given region, there are five basic door hardware product families (hinges, closers, exit locks, panic devices and mechanical locks) and a fairly standardised set of performance tests. Performance testing typically involves mechanical durability based on a given number of cycles (established by the standard in question), corrosion resistance, physical force testing and resistance to the elements. Similarities exist between BHMA, UL and EN Standards regarding these tests, and there is one shared central goal: To ensure comprehensive product safety performance for aspects including durability, fire, security, corrosion resistance and more.

Regardless of these high-level similarities, different regions have different requirements and market recommendations that must be addressed for successful market



Danny Forshaw (top) and Matthew Schumann

// Different regions have different requirements and market recommendations that must be addressed for successful market access"

access. As BHMA standards are increasingly seen as differentiators for product quality and are even required for certain applications in North American and parts of Asia, it is also important to understand how the scope of these standards and test methods compares to both UL and EN standards. Below is a table which shows global standards for various items of hardware, but it is important to reiterate that the requirements within each standard are not necessarily the same and in fact may conflict in some ways.

Expanding for broader reach

As part of our ongoing focus and commitment to doorsets and related building hardware, UL is expanding its services in the EU to help ease global market access for EU manufacturers. There is no doubt, there are many advantages offered by working with a trusted testing and certification provider.

UL's state-of-the-art testing facility in Warrington, UK is now open and specialising in testing to verify performance of door hardware to EN Standards for the European market for hinges, closers, exit locks, panic devices and mechanical locks.

These capabilities in the UK will eventually result in the opportunity for a company to make one single product submittal rather than working with multiple testing and certification bodies, reducing both time and cost while also greatly streamlining communications. Where possible, the testing for the standards will be combined to reduce the need for duplicate testing.

These tailor-made testing programs and bundled certification services ease global market access and offer greater convenience at a lower cost, including audit testing for certification needs and short lead times, but UL's UK laboratory also allows UL to offer customers the ability to conduct developmental testing in addition to testing for regulatory approvals. The new lab space, specially trained technicians and high-end test fixtures supporting these services represent a part of UL's larger global effort to expand our expertise and offer more services in a single footprint. With similarly abled laboratories located in Taiwan and at our global headquarters in Northbrook, Illinois, UL's internal network helps to ensure easy communication expertise across borders.

There is no doubt that the global doorset and related hardware market will continue to evolve in every region. As these standards change, UL will remain committed to offering valuable guidance and services that our customers can trust. ■

Matthew Schumann is engineering leader and Danny Forshaw is senior project engineer at the Building and Life Safety Technology Industry at UL.

Product	European Standard	BHMA Standard	UL Standard
Locks/Latches	EN 12209		None
Bored & Preassembled Locks & Latches		ANSI/BHMA A156.2	
Auxiliary Locks		ANSI/BHMA A156.5	
Interconnected Locks & Latches		ANSI/BHMA A156.12	
Mortise Locks		ANSI/BHMA A156.13	
Single Axis Hinges	EN 1935	ANSI/BHMA A156.1 ANSI/BHMA A156.17	
Controlled Door Closing Devices (closers)	EN 1154	ANSI/BHMA A156.4	UL228
Emergency Exit Devices	EN 179	ANSI/BHMA A156.3	UL305
Panic Exit Devices	EN 1125		

NEW PRODUCTS >>



SIMONSWERK ISSUES NEW DECORATIVE HINGES AND GLASS DOOR CONCEPT

SIMONSWERK UK has launched a new decorative hinge collection. The three new designs: Gator Reflections, Recurring Rectangles and Flowing Bark are part of the TRITECH solid brass hinge range. Complete with a 25 year performance guarantee which offers a future proof 'fit and forget' product, the solid brass hinges are suitable for heavy duty flush doors and have maintenance free concealed bearings, giving a weight carrying capacity of 160kg.

The firm has also launched a new concealed hinge designed for glass doors. The TECTUS® Glass is ideal for contemporary interior design concepts. The patented hinge technology is barely visible but with a load capacity of 60 kg – more than enough for a glass door with dimensions of approximately 10 x 1000 x 2300 mm. The hinge technology is suitable for 8 and 10 mm glass doors in interior constructions for high-quality residential and heavy-duty projects with timber, steel and aluminium frames.

The new glass door solution also includes a magnetic latch and handles as an alternative to standard components. The closing magnet and the magnetic plate on the door side provide a contactless and silent closing process. A major advantage of TECTUS Glass is that no glass drilling is required. It is these features which led to the TECTUS Glass receiving an iF Design award 2017.

www.simonswerk.com



HIGH END TIMBER DOOR RANGE LAUNCHED

ASSA ABLOY Security Doors has launched a new range of high performance timber doors for the public, commercial and high end residential market.

The new SMARTec timber door range comes complete with all ironmongery solutions in a variety of finishes and is aimed at offices, high-end residential buildings, education facilities, factory premises, mixed-use developments, healthcare

environments and premium hotels.

The firm has also revealed a new, design for its range of advanced door closers as well as reducing the packaging and price of its DC200 and DC300 rack and pinion door closers, available in two finishes – silver and stainless steel. These moves also follow on from the launch of new, high-strength ASSA 900 Series Electric Strikes.

The new range is designed and tested to be compatible with



ASSA's Modular and Connect lockcases, delivering a high performance combination for doors that undergo extreme usage, or are situated in high security areas.

www.assaabloy.co.uk.co.uk



UNION UNVEILS NEW LOCKCASE

UNION has announced the launch of its new HD72 modular euro-profile lockcases.

Designed for areas requiring high performance, strength and durability, the new HD72 lockcases cover an extensive range of specifications, including sashlock, deadlock, mortice latch, deadlocking nightlatch, bathroom lock and an emergency escape lock.

Tested to more than three and a half million cycles – 12 times greater than the industry standard – the range meets the BS EN 12209 standard and is offered with a 15-year guarantee.

The HD72 also features heavy duty springing and a one degree follower. This allows the HD72 lockcase to support handles weighing up to

930g, giving specifiers the freedom to be more design-led in projects, while helping to banish drooping levers – a common issue raised by property owners soon after the installation of lockcases.

Its design is enhanced via a two-piece square or radius forend, plus a splinter guard for a professional finish. Cast steel latches and deadbolts are also supplied with a durable chrome plated finish as standard throughout the range, with a further five optional finishes available in stainless steel, chrome and brass.

www.uniononline.co.uk/hd72

DOOR FIRM PASSES TEST WITH SECUREFAST LOCK

Stockport-based Bamford Doors has announced its successful attainment of STS202 Burglary Resistance Level 2 with its latest communal aluminium door and frame, incorporating the new



Securefast AEM12000R standard grade 3 monitored mortice electro-magnetic Lock.

Addressing the demand for greater security resistance, particularly on entrance doors, F Bamford commissioned the Securefast electro-magnetic lock for its test door, based on the lock's minimum holding force of 4.2Kn and certified testing to TS010:2016, which verifies the product's grade 3 security standard and 200,000 cycle performance.

Carried out at test house Exova, the STS202 testing allows for the use of common hand tools and levers, in addition to physical force in the attempt to open the door. The test is designed to emulate an attack on the doors locking points using simple tools that could be concealed in a pocket or under a jacket. Burglaries at this level tend to occur when time is a factor and the noise level needs to be kept to a minimum.

www.securefast.co.uk

WINDOW CALCULATIONS AT THE PRESS OF A BUTTON



A time-saving tool to help professionals tackle complex calculations for the design of window systems is being launched by GEZE UK.

WinCalc 2.0 is an online specification platform that allows users to populate design and specification data to identify and plan suitable window configurations.

The system is intended for architects, architectural ironmongers, fabricators, M&E (mechanical and electrical) companies and consultants.

It can be used to calculate requirements for both manual and electric window drives for natural ventilation, smoke and heat extraction, and SHEVs (smoke and heat exhaust ventilation systems) and design the most appropriate

emergency power control unit while incorporating calculations for cable cross sections and planning.

WinCalc 2.0 can be used on computers or tablet devices and has a new user interface with advanced calculation options and a shortened calculation methodology.

It provides a range of information that can be downloaded including calculation reports, bill of materials and diagrams which can be saved in PDF format.

Key benefits include:

- performance – it minimises the volume of data to be calculated and delivers faster results.
- temporary save – WinCalc 2.0 temporarily saves the last project so the next time that it's opened, the most recent project can be selected
- flexibility – the system can be used in different browsers including Internet Explorer, Firefox, Chrome and Safari.

WinCalc 2.0 is intended only to be used by trained professionals as the programme is not a replacement for detailed planning.

www.geze.co.uk



DORMAKABA PADLOCKS SECURE APPROVAL

dormakaba, has achieved a new quality standard with the approval of LPCB (Loss Prevention Council Board) for its range of CEN-rated padlocks.

Part of the Building Research Establishment (BRE), the LPCB works with the government and industry professionals to set minimum standards to ensure that fire and security products perform effectively.

LPS 1654: Issue 1 is the latest physical security standard and includes the highest level of

attack testing for padlocks. The crucial difference between this and other testing standards – such as CEN – is that the security rating classification is determined by the time it takes to remove a padlock based on different types of commonly-used tools.

The firm has also launched its latest brochure promoting products that protect the physical security of data centres, server rooms and server racks. Created with building service professionals in mind, the brochure includes products suitable for high security applications where the protection of data is paramount. Accompanying the brochure, dormakaba has created a video to highlight the importance of physical access to secure data centers.

The brochure also includes product categories that recommend fit-for-purpose solutions depending on the desired application. These range from Cylinder & Key Systems to Electronic Access Control and Safe Locks.

www.dormakaba.co.uk

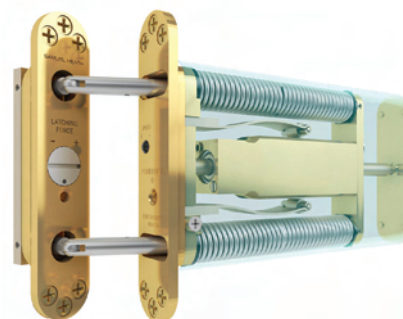


SUSTAINABILITY ASSURANCE FOR DOOR CLOSERS

Samuel Heath Powermatic controlled, concealed door closers have secured an Environmental Products Declaration (EPD), confirming their sustainability credentials.

The EPD is the result of an independent life cycle assessment of the door closers, detailing the complete, 'cradle to grave' environmental impact of all processes involved in their manufacture.

The declaration will provide specifiers with added assurance



of Powermatic's suitability for particular projects, which includes CE marking, fire resistance, quality management and BIM data.

www.concealeddoorclosers.com

OPENING DOORS AND MINDS



Doors are supplied to many a varied project but a sliding door to an elephant house in a multi-faith monastery deep in the Welsh countryside has got to be truly unique



Above: Valli letting herself in via her new door

// We're very pleased with the new system and we're confident it will withstand the test of Valli over the years"

The Skandavale Monastery in Carmarthen is home to a resident community of 25 monks and nuns, includes a hospice and animal sanctuary and welcomes over 90,000 pilgrims to worship in its three multi-faith temples each year.

The most famous resident of the animal sanctuary is Valli, a three tonne Sri Lankan elephant. She resides in an enormous purpose built elephant house with heated walls, sandpits, a waterfall, plunge pool and a large sliding access door, measuring 3.9m x 3.2m, which Valli opens herself.

After just five years the original sliding door hardware was unable to cope with the force of Valli's trunk and head which she uses to open the door: the track collapsed, meaning a replacement was needed.

Brother Stephen, a resident monk, said: "Prior to the new home being built, Valli lived in a different elephant house which utilised P C Henderson's sliding door hardware for the main access door. This lasted the full lifetime of the home, approximately 15 years, despite the huge scale of force being subjected by Valli. When the hardware on the new home started to bend after just five years, there was no doubt that we would go back to P C Henderson."

The firm's 307 sliding door gear was installed and Brother Stephen is delighted. "We're very pleased with the new system and confident it will withstand the test of Valli over the years".

Situated in over 300 acres of woodland and pasture in south west Wales, Skandavale Monastery is run entirely by full time volunteers and relies solely on donations to keep it running. ■



MORE DATA LESS NOISE



When it comes to acoustics, we combine creative flair with state-of-the-art testing and expertise. The result — a comprehensive range of sealing systems that you know will perform exactly as you need them to in a real door assembly.

For clear performance data, our acoustic app and details of our dedicated testing services, visit our website.



lorientuk.com



dormakaba

A smart step for access, from a single source.

From pushbutton locks and door closers, to highly complex, networked access solutions with smart phone access – dormakaba is your reliable partner for secure and flexible access.

Our new mobile showroom helps you plan your future path, making access smarter and more secure, from a single source.

Satisfy your curiosity, view and try our comprehensive products, solutions and services in the most convenient place for you.

A visit to our mobile showroom is also worth one RegAI CPD point. Book your visit today.



Door Hardware



Electronic Access & Data



Entrance Systems



Lodging Systems



Key Systems



Mechanical Key Systems



Movable Walls



Interior Glass Systems



Safe Locks



Services

dormakaba UK & Ireland

T +44 (0) 1462 477600

showroom.gb@dormakaba.com

www.dormakaba.co.uk