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THE 2022 GAI/RIBA AI
SPECIFICATION AWARDS

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CONTENTS Summer 2022

NEWS AND VIEWS

News	04
Meet a member	07
GAI news	08

FEATURES

A return to face to face networking	10
GAI's new home	11
GAI Education Awards	12
GAI/RIBA AI Specification Awards	16
Testing for mental health settings	22
CPD: Intumescent hardware	26

TECHNICAL

UKCA Marking: are you ready?	29
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PRODUCTS

New products this quarter	32
---------------------------	----

BACK DOOR

Britain's oldest door	34
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29



11



22



34



16



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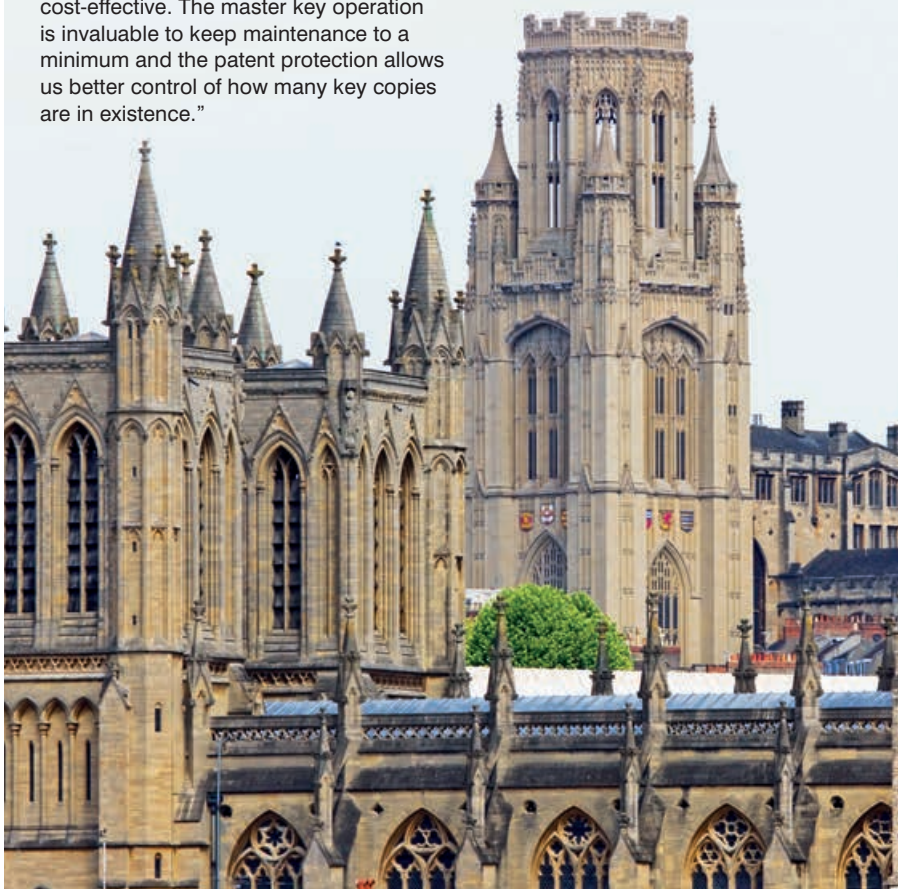
BRISTOL UNIVERSITY UPGRADES MASTERKEY SUITE

As part of an ongoing complete security upgrade throughout the campus, Bristol University has installed Mul-T-Lock's MTL™ 600 master key suites.

Mul-T-Lock worked closely with Guardian Security Systems in Bristol, supplying high security MTL™ 600 suites to over 20 buildings across campus, all operated on a master key suite basis.

Antony Blundal, security services manager (systems) at Bristol University said the University premises present a number of security challenges due to the open nature of the campus sites. "There are different access requirements across all the facilities to consider. We developed a specification using MTL™ 600, which offers high security, is flexible and remains cost-effective. The master key operation is invaluable to keep maintenance to a minimum and the patent protection allows us better control of how many key copies are in existence."

Ian Thresher, regional sales manager of Mul-T-Lock added: "The changing nature of the university 'ecosystem' in the UK has many implications, including consequences for the safety and security of students, staff and the public. The legal and reputational issues arising from any failure to protect and secure people, physical assets and information data, are also increasingly severe. Hence, it is integral for suppliers like Mul-T-Lock and Guardian Security Systems to work closely with universities like Bristol, to understand the bespoke security requirements and install the best solution to protect all those who attend."



2021 interiors fittings winner: the FinBolt Triple Doorset

INTERIORS PRODUCTS OSCARS OPEN FOR ENTRY

The Society of British and International Interior Design (SBID)'s Product Design Awards are open for entries.

The SBID awards are viewed as one of the most sought after interior design awards in the global design calendar and attract entries from across the world. The awards recognise design excellence in interior design, fit-out and product. They are judged by industry experts for technical content and aesthetic creativity before being put to a public vote. There are 17 categories for interior design, 12 for product design and fit out has five.

The FinBolt Triple Doorset was the interiors fittings winner in 2021 chosen for its ultra-security, convenience and craftsmanship.

The SBID is the professional body registered in the UK to regulate and promote the interior design profession; from suppliers of products, through to the interior designers in practice. Enter at sbidawards.com

GET SET FOR FIRE DOOR SAFETY WEEK

Fire Door Safety Week takes place on 20-25 September. The brainchild of the British Woodworking Federation, BWF Fire Door Alliance Scheme and Fire Door Inspection Scheme the week raises awareness of the critical role that fire doors play in saving lives and protecting property in the event of a fire.

Keep up to date with the campaign via Twitter [@FDSafetyWeek](https://twitter.com/FDSafetyWeek) or the website firedoorsafetyweek.co.uk



A riverside project scooped a 2021 AT Award

AT AWARDS OPEN FOR ENTRY

The Architectural Technology awards 2022 are now open for entries.

Designed to recognise excellence in Architectural Technology globally, the suite of AT Awards is open to all professionals and students, in five categories including the Gold Award and a new emerging talent award.

Last year's winners included a residential build in a tricky river-front position and a life science research and innovation facility.

Architectural Technologist of the Year was Tom Gray MCIAT; Matthew Willemsen MCIAT was named emerging talent and two winners were chosen for The Student Award for Excellence in Architectural Technology. Usman Yaqub FCIAT was the recipient of the Gold Award and the inaugural President's Medal went to Professor Sam Allwinkle.

architecturaltechnology.com

OPTIMISM DIVIDED IN INDUSTRY HEALTHCHECK



One in four practices has had work put on hold in the three months to May, according to the latest RIBA Future Trends Survey.

The monthly healthcheck on the architecture profession also revealed that optimism had fallen, with slow economic growth, rising inflation and a war in Ukraine overshadowing business prospects. Even so, nearly a third (30 per cent) of practices said they still expect workloads to increase in the next three months, compared with just 11 per cent which thought the amount of work would shrink.

The survey reveals that 26 per cent of practices reported having at least one project put on hold in design stages, while 17 per cent say they have had one or more projects abandoned in the past three months. Almost a fifth of practices say they have had a project put on hold during the construction stages. A further three per cent reported projects being abandoned completely at this stage.

However, reports of stalled or abandoned projects arise mostly from smaller practices, which suggests they are likely domestic. Large and medium-sized practices 'remain firmly positive about future workload', with 52 per cent of larger practices expecting workloads to grow.

CPA WARNS OF 'STRONG HEADWINDS AHEAD'



Noble Francis: "creeping uncertainty"

In its latest quarterly forecast, the Construction Products Association (CPA) sees a dramatic slowing in growth, with uncertainty ahead as global issues start to affect the UK market.

In previous years, the predicted 2.8% growth in construction output anticipated by the CPA team would be cause for celebration. However, while a robust figure, this is a sharp revision down from the 4.3% growth forecast just three months ago. Demand remains strong across the industry but the downward revision to the growth forecast stems from concern around a host of price pressures arising from both local and global issues.

The impact of these pressures, and of more general rising costs, on demand will vary considerably by sector. Across the board the picture is one of positive market

conditions in the short term with anticipation of tougher times ahead.

The fastest growth is expected in the industrial sector, in which output is forecast to rise by 9.8% in 2022 and 9.3% in 2023, due to a strong pipeline of warehouse projects, resulting from a long-term shift towards online shopping.

Noble Francis, CPA Economics Director, offered this summary of the latest figures: "The major challenge is creeping uncertainty. The immediate picture is one of resilient demand and healthy pipelines. Longer term, the current inflationary pressures, if sustained, will have an increasingly depressing impact, while the continuation, or potential escalation, of conflict in Europe presents an existential risk."



The landmark Building Safety Act received Royal Assent and became law in England at the end of April. Five years in the making, the 262-page act was created with the intention of increasing the safety of residential buildings in the UK following the 2017 Grenfell Tower disaster. It marks the biggest overhaul in building safety regulations in nearly 40 years. It will also enable further secondary legislation to be published on matters such as safety critical standards and conformity marking.

Planning gateways, leaseholder protections and changes to the Defective Premises Act are just a few of the numerous provisions enacted by the new Building Safety Act.

Key to the Act is the creation of a new regulator for construction product safety. A National Regulator for Construction Products (NRCR) will be established within the existing Office for Product Safety and Standards (OPSS). The regulator will have powers to withdraw unsafe products from the market and issue penalties against suppliers or manufacturers who fail to

meet compliance rules on information. Any supplier of a construction product that is inherently defective or marketed on the basis of misleading statements will become liable to pay damages to people with a relevant interest in the buildings affected.

This will extend to any person suffering economic loss, which suggests that architects will be able to seek redress against manufacturers/suppliers where they are facing action themselves over building failures stemming from the use of such products.

The act also gives the ARB new powers to monitor the training and development of architects throughout their careers in order to maintain competence. It will be able to strike off architects who do not meet the required standard of competence. Previously the Architects Act 1997 only gave the ARB powers to prescribe entry requirements to the register.

The GAI will continue to update members on any implications on this which relate to our sector as these arise.

NEW LEGAL LANDMARK ON FIRE DOOR SAFETY INSPECTION

A new regulation has been made under Article 24 of the Regulatory Reform (Fire Safety) Order 2005 which has huge implications on the fire door inspection industry in the UK.

The Fire Safety (England) Regulations 2022 will make it a legal requirement from 23 January 2023 for responsible persons for all multi-occupied residential buildings in England with storeys over 11 metres in height to:

- Undertake quarterly checks of all fire doors (including self-closing devices) in the common parts; and,
- Undertake – on a best endeavour basis – annual checks of all flat entrance doors (including self-closing devices) that lead onto a building's common parts.

The regulations also require responsible persons to provide to residents of all multi-occupied residential buildings with two or more sets of domestic premises (that have common parts) information on the importance of fire doors to a building's fire safety.

Read a fact sheet explaining the rules here: <https://tinyurl.com/2ndzpake>



MECHATRONIC KEY SYSTEM WINS AWARD FOR ASSA ABLOY

ASSA ABLOY scooped the Security Project of the Year award at the Fire And Security Matters Awards for its CLIQ® programmable key access control system. The firm was also nominated in the Security Manufacturer of the Year category.

The Fire & Security Matters Awards celebrate innovation and achievements in the fire and security sectors and the awards were announced at a ceremony in Coventry in April. CLIQ is a key-based access control solution that offers multiple management options and security for many access points via a range of wireless access control locks.

SIMONSWERK

MEET A MEMBER

STAR SUPPLIER



Kevin Ryan DIPGAI,
director Proline on celebrity
clients, challenging tenders
and West Ham

Tell us a bit about Proline.

I gather you started it in your 20s?!

Proline was set up by me and another partner back in 1999. We are based in Ilford, Essex. We supply hardware to contractors in and around London and the home counties as well as specifying and scheduling for our architect clients too. We are part of the Guild, with two of us being fully qualified GAI diploma holders.

You have some high end clients/projects. Tell us about that.

Indirectly through our clients, we have supplied Chelsea football club, the Micheal Kors store in London and Cartier in Old Bond Street, which led to some bespoke items for Cartier's owner at their central London home (sorry we can't say where). We also supplied

window fittings for pop star Boy George, and front door locks for Frank Lampard. These have varied in both commercial and domestic type ironmongery in various finishes, both standard and bespoke.

What do you find most challenging about this industry and what do you love about it?

The most challenging aspects are: tight prices and margins, getting customers to buy into the quality of hardware and not the cheapest. A lot of time is wasted on poor quality tenders that require a lot of time and expertise to put right and put together.

I love the variation of the people we get to work with, the projects we work on and the varied type of fittings we supply for any given scheme, most of the time these projects are unique which makes for a full and interesting day.

Problem solving is very much at the heart of what we do here. For example, providing door hardware solutions and advice for tricky door sets, balancing compliance standards with fast delivery times.

How do you spend your spare time?

Spare time is spent with my family, the four grandchildren and watching West Ham. I'm also a keen DIYer having just finished a large extension at home and a completely remodelled garden.

■ EUROPEAN TRADE SHOW GEARS UP

Fensterbau, the trade show for windows, doors and facades held in Germany is taking place on 12-15 July. Held every two years, exhibitors from all over the world present profile systems, glass, prefabricated units, sealing systems, hardware, fixing equipment, safety equipment, machines, installations, tools and many other products for windows, doors and facades. frontale.de/en

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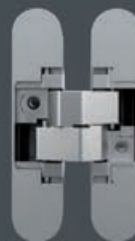
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GAI TALK...



Simon Forrester,
GAI chief executive

It feels great to be writing this column from the Guild's new home in Ironmongers' Hall, London. Our June AGM provided the first opportunity to welcome GAI members to this beautiful building and, as well as the legal formalities of an AGM, the event featured an excellent panel discussion. After considering the growing design responsibilities of being an architectural ironmonger on a construction project, the focus moved to how we as an industry can raise the bar in competence now that the Building Safety Bill has received Royal Assent. While many key details are still to emerge via secondary legislation, The Building Safety Act is clearly the biggest and most significant overhaul in building safety regulations in nearly 40 years, and the Guild is committed to remaining in the vanguard of the industry engagement and consultation processes as this process plays out.

Of course, education is at the heart of the competency and standards agenda, and in this area the GAI is currently preparing a significant overhaul of its own. (See opposite)

Already available is the new GAI Specifier's Resource Book, a publication which, as well as acting as a source of information and reference for specifiers, showcases award-winning architectural ironmongery projects and products from the recent AI Specification Awards 2022. Congratulations once again not just to the winners but to all who took part: the quality of work, craftsmanship, and ingenuity on display across all the categories was remarkable, and really did highlight the fact that, despite the challenging couple of years we have all just come through, this industry is still finding new ways to deliver exciting and high-quality solutions across many sectors.



NEW GUIDE OFFERS RESOURCE FOR SPECIFIERS

The GAI has launched a new Specifier's Resource Book designed to raise the profile of the architectural ironmongery sector among architects, contractors, and the wider construction industry.

The publication will showcase award-winning architectural ironmongery projects and products from the recent AI Specification Awards 2022. It will also act as a source of information and reference for specifiers, with articles, best practice advice on key issues, and a directory of GAI members.

The publication is being distributed to more than 75,000 architects, architectural

technologists, architectural ironmongers, chartered builders and interior designers. It is also available to download at gai.org.uk/specifiers

specifiers
GAI technical manager Douglas Masterson said: "The new *Specifier's Resource Book* is a celebration of excellence, design and best practice in architectural ironmongery. "It has been produced and distributed to underline to specifiers and the wider construction sector the importance and value of engaging with high-quality AI professionals and companies from the very earliest stages of their projects."

DOORSET PDT DUE FOR PUBLICATION

An important new Product Data Template (PDT) for doorsets is due for publication following the completion of an industry-wide consultation.

The PDT has been created by the shadow Fenestration Relevant Authority (FRA), which was set up to create Product Data Templates

for the fenestration industry. The authority comprises 12 trade associations and stakeholder organisations from the sector, including GAI.

PDTs provide manufacturers with a process for creating product data sheets to share with specifiers, contractors and end users.



GAI EXPANDS EDUCATION OFFER WITH NEW QUALIFICATIONS

The GAI is introducing three new qualifications in the biggest-ever expansion of its education programme, to reflect changes in the industry. They will be available from September.

Two of the new qualifications are Stage 3 diplomas, providing alternative or additional options to the existing GAI Diploma.

A new Doors Systems diploma will educate on both residential and commercial type doorsets, including modules on acoustics, fire resistance, security, rebound doors, temperature control, and specialist hygiene/clean room/medical applications.

An Electric Hardware and Access Control diploma will cover in detail door entry systems, hotel locking systems and smart technology, breaking down into the technical details

of each component required and the software.

The third new qualification is a Stage 3 Certificate – Standards and Regulations. This will educate on all aspects of the standards relevant to the architectural ironmongery industry and will be annually renewable and subject to an ongoing process of continuing professional development.

As Stage 3 qualifications, candidates must have completed the GAI Stage 1 & 2 Certificate in Architectural Hardware (CiAH) before entering. A conversion course will be available for those who completed their CiAH before the 2016 examination year.

Find full details of the new qualifications in the GAI Education Prospectus 2022/23 at gai.org.uk/learning

OBITUARY: TERRY MOORE 1941–2022



GAI past president Terry Moore

Past president of the GAI Terry Moore has passed away. Moore served as president from 1990 to 1992, and was a member throughout his career, serving on the Executive Committee and in other roles.

His working life was spent with Yannedis, where he worked for nearly 50 years before retiring in 2009. Moore was the main specifier and contact for the company's celebrated work on the Windsor Castle refurbishment after the 1992 fire. He was also part of the team which won the contract to supply the Emir Palace in Doha, Qatar in 1985/86.

Moore was a prominent and popular industry figure. He will be greatly missed by all who knew him.

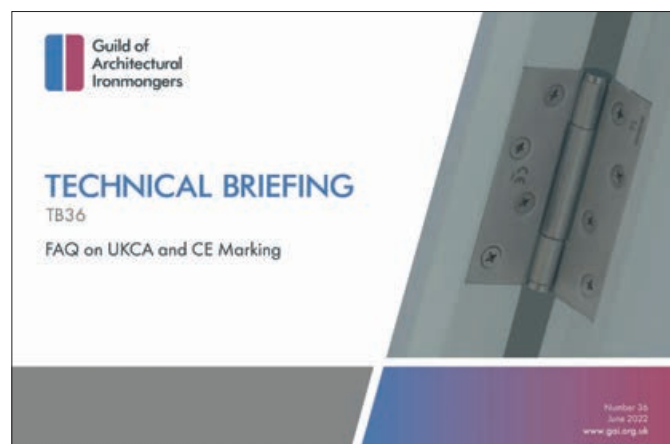
TECHNICAL GUIDES FOR END USERS

The GAI is publishing its first set of technical guides aimed at the end users of architectural ironmongery. The new guides will help address the needs of clients, users, developers, facilities managers, and everyone who is involved with a building following its handover.

The first two guides will focus on the residential and commercial sectors. They

will explore the regulation which governs the transfer of product data, how ironmongery and access control products should be used and tips on maintenance. Both publications will also provide detail of the importance of BIM and the Golden Thread.

The guides will be available free via the GAI website Knowledge Base at gai.org.uk.



GAI MANAGER APPOINTED TO CEN EUROPEAN STANDARDS COMMITTEES

British Standards Institution (BSI) has appointed Douglas Masterson, technical manager at the GAI, to act as UK Liaison for door and hardware sectors with CEN TC33 and CEN TC442 Committees in respect of BIM.

Masterson currently acts as UK expert on a number of European standards committees and working groups at CEN (European Committee for Standardization) but this is the most senior appointment.

TC33 is the CEN committee with oversight of EN standards for doors, windows, shutters, building hardware, powered pedestrian doors and curtain walls.

TC 442 is the CEN Building Information Modelling Committee. This committee develops a structured set of standards, specifications and reports which specify methodologies to define, describe, exchange, monitor, record and securely handle asset data, semantics and processes with links to geospatial and other external data.

Masterson said the appointments are "a reflection of the hard work that has been done by GAI and its members on Product Data Templates not just across the hardware sector but also across the wider fenestration industry."

FACE TIME

With GAI Community Hub meetings now back face-to-face, **AIJ** finds out why meeting in person is so valuable



After two years of pandemic and lockdowns the world is now opening back up and we are all returning to the office and face to face meetings. This also means a welcome return to networking in person including the GAI Community Hubs. Held between four and eight times during the year, across 11 regions, the meetings are predominantly a CPD event but, more crucially, they are an opportunity for networking, socialising, getting together with peers and talking to others in the industry from outside your own company.

The GAI will also be holding product evenings where attendees will get a chance to meet suppliers and get hands-on with product.

“CPDs are still online for those who can’t make Hub meetings,” says Sam Thatcher, the chair of the Community HUBs, “but when you are in a room for a live presentation there is more discussion, more talk around the topic and more Q&As, so you gain more knowledge. It’s also great for the presenter who can engage with the audience – something which is much harder in virtual classrooms.”

“There is nothing like being in a room. Meeting other people in your industry can really elevate you in career terms.”
Sam Thatcher

Face to face meetings are so important for social interaction as well, says Sam. “It’s something we all need after being home for so long. It is more beneficial for our mental health and even our physical health, as working from home and then attending a virtual CPD means we were often sitting at a desk for an entire day and not even moving to leave the house.”

And face to face events can give your career a boost. “There is nothing like being in a room,” adds Sam. “Meeting other people in your industry can really elevate you in career terms, especially if you’re a presenter. You can explain things and position yourself as an expert as well as meet people.”

Hub events are open to all and students are particularly encouraged to attend. “If you’re starting out in your career, education is super important – and these are fantastic learning opportunities, as well as meeting people who could advance your career. It’s a very welcoming atmosphere and Hub ambassadors will be welcoming newcomers with open arms.”

The 11 regional Hubs are: Scotland, North and Borders, North Central, Wales, Ireland, Midlands, South Central, South West, South East, GCC and Hong Kong. View Hub events at gai.org.uk/events. ■

5 REASONS TO NETWORK

- **It boosts your career.** Using your network is one of the best ways to find a new job or a new role at your current company. Networking can open doors to new opportunities that might be out of reach otherwise. Building relationships can be the key to making huge strides in your career path.
- **It contributes to your social**

wellbeing. Networking can help you develop lifelong friends but all contact in person has benefits and after two years of WFH meeting in person is even more beneficial.

- **It leads to the exchange of ideas.** New ideas can keep you growing professionally and trying new things. Hearing what other people are doing at their companies can also inspire you to bring new skills to your job. Discussing your

work with new connections offers a unique perspective. It also enhances motivation and creative thinking.

- **It helps you meet people at various professional levels.** Accessing senior managers can be difficult in some organisations. This is where networking can introduce you to more experienced professionals and access their wisdom and career advice. Senior management might

also find potential new talent for their business.

- **It can make you more confident.** Professional networking is an exercise in confidence and actually a great place to practise your confidence. Put yourself out there and speak about what matters to you. Even if you’re shy or have never attended an event, just turning up is a step in gaining confidence.



The Ironmongers Hall with its neo Tudor/Jacobean style is now home to the GAI



LIVING HISTORY

The GAI's new HQ is nestled in The Ironmongers' Hall. **AIJ** takes a look around.



The GAI is settling in to its new home at The Ironmongers' Hall, the home of the Worshipful Company of Ironmongers.

The Ironmongers' Company is ranked 10th in order of precedence amongst the Great Twelve Livery Companies of the City of London and it dates back to 1463.

The Company's charitable work provides support for educational establishments and their students, almshouses, historic ironwork and other good causes. It supports STEM in schools, materials science research at a number of universities and also the restoration of historic ironwork, especially for churches, schools and historic buildings.

The Hall also has a rich history. The Company moved to the site of the Hall after its original home in Fenchurch Street was badly bombed in the first world war. The land in Shaftesbury Place, Aldersgate Street, on which the present Hall stands, was bought in 1922 and the Hall was opened in 1925.

The Tudor/Jacobean style of the new Hall was decided upon because it recalled the golden age of craftsmanship. The Hall had a remarkable escape in December 1940, when a German air raid destroyed all adjacent buildings. It is now surrounded by the 1970s Brutalist architecture of the Barbican and the Museum of London. It was nearly subject to a compulsory purchase order by the City Corporation to make way for the new Museum.

The Hall is now a popular venue for weddings and corporate events and is featured in films and television; the GAI plans to hold meetings and events in the space. ■

Take a virtual tour at ironmongers.org

EXCELLENCE CELEBRATED

The GAI Education Awards celebrate the achievements of the industry's rising stars



The GAI presented diplomas and awards to industry professionals in a ceremony at London's Tower Hotel in March. The 41st GAI Education Awards celebrated the outstanding educational achievements of students who passed the prestigious GAI Diploma in 2020 and 2021, as well as those who had secured prizes as the top students worldwide.

Joining nearly 400 guests from across the architectural ironmongery industry was guest speaker Ollie Ollerton, an ex-Special Forces soldier turned television star and author. The event, hosted by GAI chief executive

Simon Forrester, was sponsored by ASSA ABLOY, with the prestigious Pinnacle Awards for the top student in each year sponsored by CES (2020) and Norseal (2021).

This year's event was a unique double celebration, the 2020 event having been cancelled due to the Covid-19 pandemic. Welcoming guests, GAI president Mario Del-Signore said: "Education is a central pillar of the Guild, and it was crucial for us to ensure training and diploma courses continued to be available throughout the height of the pandemic – something which required new teaching formats and methods of support.

A double celebration with 2021 and 2022 education awards winners

"To have successfully gained a qualification during the last two years is huge. I have the utmost respect for these students and the teams who delivered the training and supported them in their studies. This celebration is not just for our students, but for the whole industry to give ourselves a pat on the back, because the fact we're all still here shows great resilience and tenacity."

Further emphasising the importance of the GAI education programme, Eryl Jones, managing director of main sponsor ASSA ABLOY, said: "Education must be the bedrock of our industry,

// Getting it wrong is simply not an option, and that is why education is so important."

Eryl Jones

and as business leaders we must make sure we invest in our people today and tomorrow, maintaining the skill levels required to carry out our roles.

"The advice we give, the knowledge we impart, the products that we make and sell, must keep people safe and secure. In the schools, offices, hospitals and homes, in all the places where our friends and family live and work each day, our part is to ensure they do so in the safest possible way. Getting it wrong is simply not an option, and that is why education and the work of the Guild is so important."

Top performing students in the 2020 Certificate in Architectural Hardware Stage 2 (CiAH):

- Juliet Sindol, dormakaba Gulf Door Controls FZE – Saudi Arabia
- Phedros Elia, Panicos Ph. Elia Ltd Neil Smeatom, Norseal Ltd

Top performing students in the 2020 GAI Diploma:

- Conor O'Loughlin, ASSA ABLOY NZ Ltd
- Andrew Poffley, ASSA ABLOY NZ Ltd
- Kyle Davies, d line Eisenware Ltd

Top performing students in the 2021 Certificate in Architectural Hardware Stage 2 (CiAH):

- Gowtham Raj Malaisamy, Hormann Middle East and Africa FZE
- Mei Tseung, Higrade Limited
- Jonathan Walker, HOPPE (UK) Ltd

Top performing students in the 2021 GAI Diploma:

- Jessica Calpin, Unico Locksmiths
- Gareth Ward, CBS (Midlands) Ltd
- Tom Grainger, Securefast Plc ■

For a full list of those who were presented with their Diploma visit www.gai.org.uk/educationawards

TOP OF THE CLASS

Meet the winners of The Pinnacle Award – given for the highest aggregate results across the Certificate in Architectural Hardware and Diploma programme: Andrew Marshall of ASSA ABLOY NZ Ltd and Jessica Calpin of Unico Locksmiths.

Andrew Marshall: "There were three of us studying for the Diploma; we're a small scheduling team here in ASSA ABLOY NZ. There are no qualifications like it in New Zealand.

Most of us have been in the industry for some time and have good experience but this is a way of formalising your professionalism and knowledge.

I had the certificate already (and had won a prize for it) and had heard it was a big step up to the Diploma but I wasn't aware of the sheer volume of work and effort required. It was certainly daunting at first; I thought there is too much to remember for an exam but if you put in the work you then find what looked impossible is not at all. The effort pays off.

Winning the Pinnacle Award was a huge bonus. The three of us were merely shooting for a pass. But because we were working for the same goal we worked as a group, having daily catch ups and quizzing each other and sticking to a steady study schedule. Doing it with other people pushes you and makes it easier. I would suggest that to other students: make use of any tools and resources available to you – online group chats, workshops, talking to other people going through it.

We faced a few dramas along the way: two of us flew



// Three of us were studying for the Diploma. We worked as a group. Doing it with other people pushes you and makes it easier"

Andrew Marshall

to London for the classroom training but in the days we were there the UK shut down for the first lockdown and we faced the prospect of being unable to fly home. Then Covid issues meant the exam was delayed three times. Then the most stressful drama occurred. After our exam papers had been mailed to the UK we had a call from Rachel to say they hadn't arrived. After all that work to face the prospect of having to do the exam again was unthinkable. Fortunately they eventually turned up.

Our results were the icing on the cake as all three of us won prizes: I got Pinnacle and the others got silver and gold.

Jessica Calpin: "I was thrilled to win the award. I was so new to the industry and had no experience whatsoever – my degree is in marine biology!

My husband Andy and I set up our business and he suggested I take stage one and two to gain product knowledge. I took them both in the same year despite having two young children and

building a business; it was often 9pm before I could begin study. I wasn't expecting the outcome of getting distinction in my certificate! Then Andy suggested I go for stage 3 but it's a huge step up, with a lot more work and a lot more to learn and remember.

I did feel stressed – specifying doors was utterly new to me – and I admit I found access control confusing. I wasn't from one of the large companies where people have experience and knowledgeable people around them. I had to put in so much more effort because I knew nothing. But the turning point was when I attended the three-day classroom course. After that I felt much more confident and determined. And those of us on the course then created a WhatsApp group and weekly meetings, which was a huge source of support.

When the results came in I was thrilled! I'd got 88.8% and I could honestly not believe it. When Rachel told me I was a medal winner I was shocked. Even then I didn't know I had won the Pinnacle – I assumed bronze. On the awards day to hear my name called for Pinnacle was amazing. It's never people like me and it was a very proud moment.

Securing my Diploma and the letters after my name has made me feel more confident in my job. It feels great to have people take me more seriously when they see my qualifications."



// I wasn't from one of the large companies where people have experience and knowledge. I had to put in so much more effort because I knew nothing.

To hear my name called for Pinnacle was amazing."

Jessica Calpin

NEW THIRD-PARTY ACCREDITATION SCHEME A 'GAME CHANGER' FOR HARDWARE PROTECTION

When hardware is rebated into a fire door assembly, the integrity and performance of the system are compromised. Vanquish has led the way in intumescent hardware protection – and its newly acquired, industry first, third-party accreditation scheme is set to be a game-changer says the company's Business Development Manager Mike Sutcliffe.

Fire safety is, quite rightly, at the forefront of every part of the construction sector since the tragedy at Grenfell, with a much greater sense of responsibility and caution when specifying and using materials on buildings and an increase in requests for third-party evidence to prove the suitability of them.

There is now a demand for traceability and peace of mind that manufacturers enforce rigorous quality control measures, and our newly acquired third-party accreditation scheme through IFC (International Fire Consultants Ltd) for our hardware protection products provides both.

As the first standalone company dedicated to intumescent hardware protection, we wanted to

lead the way again and, while it has been a long and challenging process, we were delighted that the IFC understood the importance of including these products under a third-party scheme.

The best protection

All hardware installed on fire doors must be fitted without compromising the integrity of the assembly and this is critical where hardware, such as hinges, locks and latches, flush bolts, door controls and letterplates, is rebated into the doorset.

Adding intumescent protection greatly reduces the rate at which heat transfers through the door as it expands upon exposure to it, preventing heat transfer on the rebated hardware and sealing voids created during the rebating process.

IFC certification specifically for hardware protection under the SDP20 Intumescent Seal and Hardware Protection Kits scheme for our FlexiFire® graphite-based and Fire Protectors phosphate-based intumescent covers initial testing and includes audits to assess the consistency of production from start to finish.

Certified products are now manufactured with traceability print that includes the material brand, time and date of manufacture, the batch number of raw materials and the IFC certificate number, allowing the product to be identified after installation and ensuring it has been tested to the relevant standards.

Game changing

Fire doors are carefully engineered fire safety devices that are critical to the fire safety of a building, but hardware protection products are not CE or

UKCA marked and as a result, there is too much ambiguity in the test data.

The problem is intumescent materials are not made consistently across manufacturers, and seemingly identical intumescent materials can behave very differently from one another, so there is no minimum requirement for graphite content in graphite-based intumescent, for example, and activation temperatures vary greatly, so one might expand five times and the other 20.

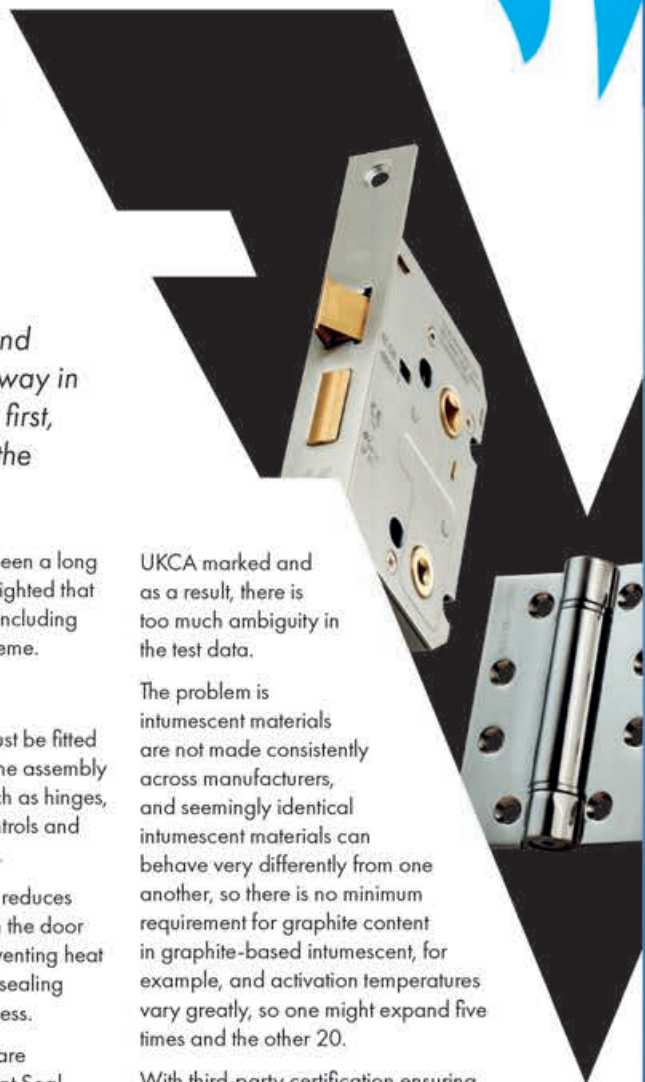
With third-party certification ensuring consistency in manufacturing, with the same product produced every time, and a paper trail from each batch to the end product so the manufacturer can be contacted if that product has failed to function as specified, this is a game changer for hardware protection.

As the only manufacturer to offer this level of service we can provide our customers with even more peace of mind and ensure our hardware protection products will perform as intended, ensuring life and property are kept safe at all times.

To find out more,
visit www.vanquish-hp.co.uk
or call 01725 578020.



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AN INDUSTRY FIRST

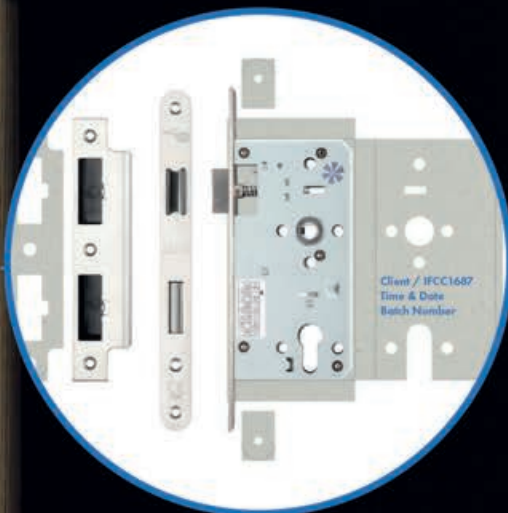
As the first UK hardware protection manufacturer to secure third-party accreditation, our Fire Protectors phosphate-based intumescent material now provides:

- ✓ Full traceability
- ✓ Ultimate peace of mind
- ✓ Quality assured from start to finish



All hardware installed on fire doors **MUST** be fitted without compromise and is even more critical where hardware is rebated into the doorset.

Fire Protectors spreads three-dimensionally into joints and crevices when exposed to heat, preventing heat transfer on rebated hardware, including hinges, locks, flush bolts and door controls, and sealing voids created during the rebating process.



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// The project required an extraordinary level of care to ensure the seamless integration of new and old ironmongery

Right: Adare Manor hotel was chosen from past award winners to take the Jubilee Award

TEAM BUILDING

The latest GAI/RIBA Specification Awards demonstrate the immense outcomes achieved when AIs and architects collaborate well

Luxury hotels that blended heritage and modern styles topped the bill at the recent GAI/RIBA Specification Awards.

Adare Manor hotel and golf resort scooped the Jubilee Award (sponsored by Eurobond Doors) – a special award to mark the 40th anniversary of the AI Specification Awards. Adare Manor was chosen from a shortlist of past award winners.

The hotel, housed in an 18th century building in Country Limerick, Ireland was renovated and extended, requiring an architectural ironmongery specification for around 1,500 doors across its guestrooms and facilities, maintaining the gothic aesthetic. Led by Reardon Smith Architects, with the support of Richmond International, the team appointed two ironmongery companies to the task, Harbrine Limited and Mooney Architectural. Between them, they created a suite of bespoke ironmongery, including sourcing products from Sun Valley Bronze of Idaho, USA that had to be redesigned to fit with European hardware.

With an enormous amount of bespoke products and the requirement

for a number of products to operate with the Vingcard locking system, the architectural ironmongers worked diligently to design and test the products to ensure they work perfectly in harmony with the access control requirements across the entire project.

Grade II listed luxury hotel and spa Grantley Hall in Ripon, North Yorkshire, secured the Winner of Winners Award (sponsored by GEZE) for architects Bowman Riley and architectural ironmongers Em-B Solutions Ltd.

Grantley Hall opened in 2019 as a high-end hotel and spa following decades of neglect. The project required an extraordinary level of care to ensure the seamless integration of new and old ironmongery. The new products were designed to perform to the latest standards and operate with an access control system, while integrating with the antique brass and stainless steel furniture already in situ.

Em-B worked closely with all three architects on this major refurb/new build project. In the old buildings, Em-B worked hard to retain existing hardware where possible, mindful of the need to upgrade to fire door standards »»





// The work, craftsmanship and ingenuity on display shows the industry is still finding new ways to deliver exciting solutions”

Douglas Masterson

where applicable. New ironmongery was carefully matched to the old to provide a consistent design approach throughout.

As well as organising the hand restoration and renovation of existing historic hardware such as handles and hinges, Em-B carefully adapted

hardware designs and finishes throughout the building to reflect different styles and functions. Antique brass and stainless steel were chosen where appropriate to ensure that the hardware scheme worked seamlessly across the piece.

GAI technical manager Douglas Masterson commented: “Adare Manor and Grantley Hall are both truly fantastic projects, and worthy winners. The work, craftsmanship and ingenuity on display across all the categories highlight that, despite a challenging couple of years, this industry is still finding new ways to deliver exciting and interesting solutions across many sectors.”

Above: Grantley Hall, the Winner of Winners married heritage style with modern hotel and spa facilities

The awards were held at London’s Leadenhall Building in May, and presented by GAI president Mario Del-Signore. “The AI Specification Awards show architectural ironmongery at its beautiful best,” said Del-Signore. “Rewarding the whole specification team, the awards highlight the importance of those partnerships.”

Entries are judged on the effectiveness of the architectural ironmongery specification and how it enhances the security, accessibility and safety of the building, whilst also adding to its aesthetics, functionality and lifespan.”

Turn the page to see the other category winners. »»

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AND THE WINNER IS...

Commercial & Hospitality Award

(sponsored by ASSA ABLOY)

Winner

Grantley Hall, Ripon
Bowman Riley and Em-B Solutions Ltd

Residential Award

(sponsored by Frank Allart)

Winner

Regent's Crescent, London
PDP London and John Planck Ltd

Highly Commended

Lancer Square, London

Squire + Partners and Franchi plc

Public Health & Education Award

(sponsored by Forza Doors & Frames)

Winner

Cambridge Mosque
Marks Barfield Architects and d line Eisenware Limited

Highly commended

142-146 Harley Street, London

Sonnermann Toon Architects and 3v Architectural Hardware Ltd

International Award

(sponsored by dormakaba)

Winner

Xiqu Centre, Hong Kong
Ronald Lu & Partners and Key Technologies Ltd

Product Design & Innovation (Mechanical) Award

(sponsored by Simonswerk)

Winner

Complete Sealing System for Sliding Doors
Norseal Ltd

Highly commended

Fat Collection d line

Product Design & Innovation (Electronic) Awards

(sponsored by ADSA)

Winner

Virtual Engineer
Strand Technologies Ltd

Winner of Winners

(sponsored by GEZE)

Grantley Hall, Ripon

Bowman Riley and Em-B Solutions Ltd

Jubilee Award

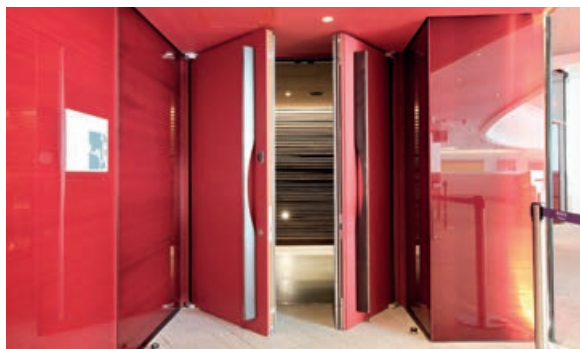
(sponsored by Eurobond Doors)

Winner

Adare Manor Hotel, Co. Limerick Ireland
Reardon Smith Architects/Richmond International and Harbrine Limited/Mooney Architectural

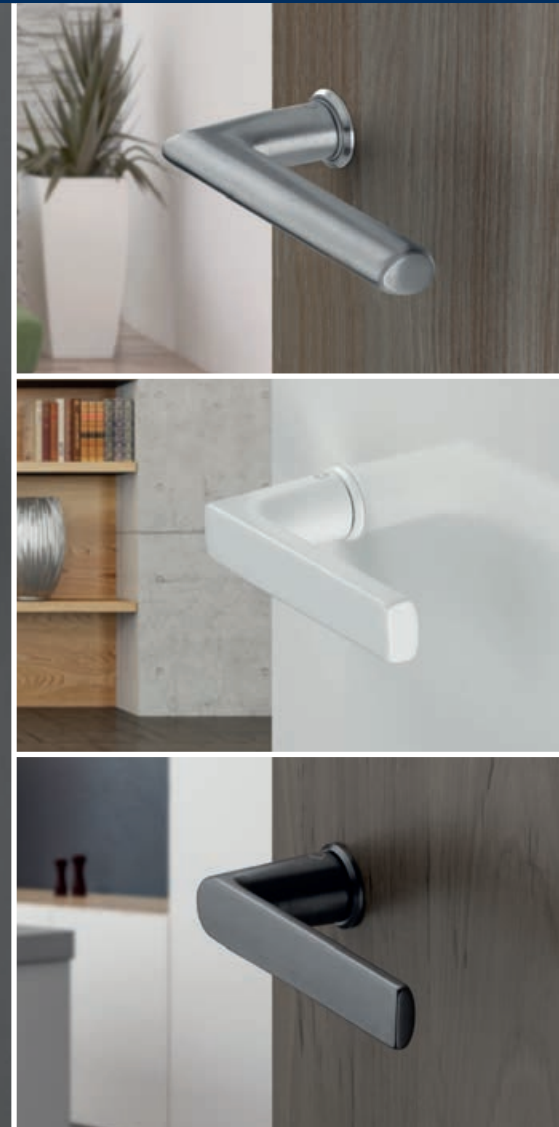
Highly commended

Scottish National Portrait Gallery, Edinburgh
Page Park and Allgood Plc



For more details on all the winning entries including photos and video, visit gai.org.uk/specificationawards.

Top to bottom: Cambridge Mosque; Xiqu Centre, Hong Kong (left); Regent's Crescent; Virtual Engineer; Complete Sealing System for Sliding Doors



Elegant and pure: HOPPE mini roses

Mini roses show door handles in a whole new light. Through the radical reduction in size the roses become hardly noticeable on the door – making the handle itself more prominent and creating a fascinating new interplay between the handle and the door.

Interior door sets with mini roses are available in aluminium, stainless steel and brass (brass models come with the Resista® surface guarantee). A standard door set consists of a door handle pair with matching handle roses. Escutcheons – also available in versions for bathroom doors – can be added if required.

Special attribute

Quick-Fit



LIFE SAVERS

A groundbreaking new independent testing programme for door products used in mental health settings will raise standards and save lives.

Nicky Roger reports

In mental health settings doors or door hardware account for 50 per cent of suicide attempts. This startling figure highlights an issue that is being tackled by The Design in Mental Health Network (DiMHN) – a registered charity – and Building Research Establishment (BRE).

Managing risk in hospital settings is critical. A key issue for those who are sourcing products for the rooms and facilities in which patients are treated is understanding whether they are suitable for the intended purpose. Until now there has been no formal process across the NHS or private sector for reliably testing or assessing products' suitability for use in mental health environments.

DiMHN has partnered with BRE and worked with over 100 experts during the past seven years to create a global testing method for all products used in mental health. They have also created

a new document 'Informed Choices: Testing Guidance for Products in Mental Health Facilities'.

The Testing Guide provides testing methodologies for materials, fixtures and hardware that have been specifically designed for use within mental healthcare facilities. It brings together the many disparate requirements for these products into one document, enabling suitably qualified experts to choose the most appropriate product. It will form the basis of a new, independent declaration of performance scheme to be run by BRE Global Limited.

One of the biggest steps is providing manufacturers the ability to get an independent assessment on the ligature performance of their product by a UKAS accredited test body. This will also provide a graded performance, moving away from the absolute 'anti-

ligature' term which is considered misleading and dangerous.

The aim of independent testing and product certification is for architects, suppliers and clients to make better product selection decisions – ultimately helping more patients recover.

In order to encourage widespread adoption by manufacturers, the demand for testing and certification needs to be high. The DiMHN and BRE have encouraged all stakeholders to pledge their support to the initiative. Like other product evaluations (e.g. fire testing for doors), the cost is covered by manufacturers as part of their development.

Due diligence

Several NHS Trusts have already signed the pledge along with leading specialist architects and main construction contractors. Signing up to the pledge for organisations means:

- Suppliers will be asked to provide DiMHN/BRE Informed Choices product performance assessment going forward. Initially this will be encouraged, with preferential consideration given for products backed by independent performance assessment. No minimum performance will be required,

but performance of different products will be compared

- With time and experience of the Informed Choices product assessment information, this will become a mandatory requirement by 2025.

Philip Ross, a director at DiMHN (and CEO of Safehinge Primera) says the industry and NHS Trusts need independent testing to ensure due diligence on safety has been done and to gain clarity on where the risk exists, so everyone can move forward in terms of creating safer doorsets, products and ironmongery. "There is definitely a change of mindset post-Grenfell about the independence and verification of safety claims," he says. "We are not quite in the same realm with mental health – people aren't knowingly selling products that are unsafe – but manufacturers will make claims that cannot be substantiated and may not have considered the consequences of what is in effect just a marketing claim. For example, claiming a product is 100 per cent fail-safe or anti-ligature is communicating that it's a risk-free product and that's not a responsible claim to make. So we want to support people with a framework; our ligature assessment

// Claiming a product is anti-ligature is communicating that it's a risk-free product and that's not a responsible claim to make"

Philip Ross

is within a range from one to five. We never say it is 100 per cent fail safe."

Cath Lake, director at architect practice P&HS and board member of DiMHN says the testing makes the process of choosing products more straightforward. "We normally have to get every product in to test and the nursing team also needs to know how to operate it. No product is tested in the same way so we have different results. We need regularity so we can advise clients of what's there and how it performs and so they can make the informed choice. We need zero subjectivity – the only subjective is how it looks and ease of operation."

Demand for testing

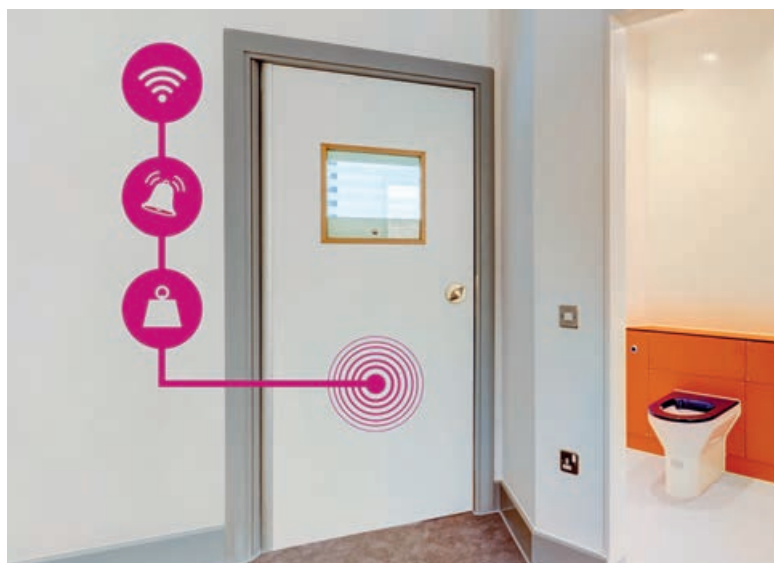
The testing process is now available to any manufacturer and Ross hopes that awareness will now increase so that more manufacturers seek evidence of their performance claims and that specifiers and clients start demanding third party independent testing evidence when presented with products. Ross says it is much like PAS24. "The testing of a door is a complete system not component nature. When you change a lock on a door it can change the overall performance of the door system; we believe the same is true in a mental health setting."

Richard Hardy, former managing director at BRE Global, has been instrumental in developing the testing programme. He likens the journey to when the BSI introduced Isofix for baby car seats. "It was a catalyst for change as it showed manufacturers how a product really performed rather than how they had convinced themselves it did. While it was possible to create a 100 per cent »

Opposite: A community ward with anti-barricade doors at Mildmay Oaks, owned by The Priory Group

Below: a non-service user room can use a lower risk doorset





Left: A full-door ligature alarm from Safehinge Primera. The entire door acts as a weighing scale with wireless full-door alarms detecting vertical loads of over 10kg.

safe seat it would look like a steel cage filled with polystyrene and foam so would be utterly unuseable. The solution had to be practical, something people could use everyday and would strike a balance between risk, useability and aesthetic.

The culmination was Isofix which permanently changed how you fix a child's seat in a car. It is the same with mental health products: you can put a mental health patient into a blank stone room to keep them safe but then they won't get better; the aesthetics matter.

"When you have completely independent testers they're looking at defeating something. That's the right mindset. We can look at the door and see design tests to reveal weaknesses the manufacturer may not have found. In any certification programme or testing that's what we've always done. Sometimes up to a 40% fail rate. It's not that anyone wants to pass off unsafe products but we can get results they don't expect."

The BRE testing for mental health products has explored every possible way to create a ligature. Hardy explains: "Some product risks are simple that trusts and clinicians can assess but we have a whole range of results for ligature. We can create a ligature with a load going vertically for example, using a chair for a downward load. We look at what can be achieved

and show the load we can generate at 3, 6, 10 and greater than 20 kgs. The aim is that the clinician can get an idea of where the risk is so they can know which environments these products can be used.

Client involvement

Jen Aspinall, design manager at Vinci Construction who has worked on many mental health settings, says there are also different scales of mental health patients to consider. "Not everyone is a suicide risk – you might have a pensioner with who has little to no grip, or someone with dementia who needs to recognise something as a handle. There are different service users groups and every trust has a different approach so there is more to consider than just ligature risk."

The key to successful specification, says Aspinall, is to work closely with the NHS Trust. "The trust knows their day to day but they don't know what information to give you. So you need client engagement really early on, in the pre-construction stage, so you can have tough conversations and start a discussion, get the information from the client and get product samples. You can't assess whether you can grip or do damage with it from a drawing. From a commercial perspective bearing in mind NHS budgets are tight, this means you can develop a risk

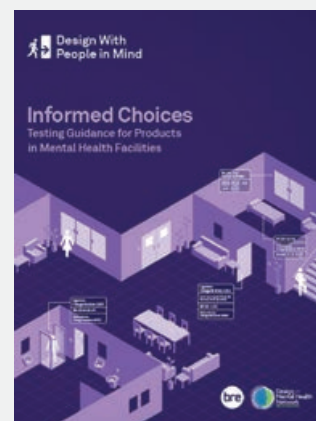
acuity plan. You might choose a door for a high-risk bedroom that scores a 4.8 for example but in the MDT meeting room, that isn't identified as a high risk room, you could reduce that to a 3.5 scoring door on those places. And in seclusion areas that's an even higher risk. You can start to form a baseline specification."

Ross says the document enables the NHS Trust to have full awareness and then marry a clinical practice strategy with a risk reduction strategy. "We can help the NHS and the construction sector make more informed choices, make better decisions by better understanding the differences in performance between product a, b and c so they can choose the best product or the safest product."

Cath Lake says it's vital to work with specialists as often it's smaller practices with little experience in mental health who could make mistakes. And Ross presses home that in these settings mistakes in specification are unacceptable. "It is really important, as the consequence of a mistake is a loss of life. That's what this all boils down to. It's about preservation of life." ■

/// The consequence of a mistake is a loss of life. That's what this boils down to. It's about preservation of life"

Philip Ross



Read more about the work of the Design in Mental Health Network at dimhn.org
Find out more about the mental health product testing and download the Testing Guidance at bregroup.com/services/testing/mental-health-product-testing/



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FIT FOR PURPOSE?

It is imperative installers understand the issues surrounding specifying intumescent hardware protection.

Henry Rowden tells you what you need to know



Fire-rated hardware for use in timber doorsets will have been tested to a relevant standard such as BS 476:22 or BS EN 1634:1, in many cases, in conjunction with a custom-made intumescent kit.

To provide a field of application for their products, many hardware manufacturers choose to operate under the Certifire scheme. This was introduced to provide independent third-party certification for fire protection products including fire doors and their associated hardware based on the assessment of relevant test evidence. The certificate also details their intumescent requirements such as material type, thickness, fitment detail, and allows installers to mix and match various items of hardware to meet the desired design criteria.

Hardware that is not covered under a third-party scheme can still be appropriate for use on fire door assemblies. However, the installer must ensure that the fitment detail is the same as tested. To guarantee the correct specification of intumescent, it is advisable to purchase intumescent

hardware protection directly from the hardware manufacturer to ensure it complies with existing test evidence.

Be aware

Rebating hardware can drastically affect the integrity of a fire resistant doorset. Fire-rated hardware is only fire-rated when fitted as described in the Certifire certificate or the manufacturer's test evidence in conjunction with any necessary intumescent protection.

One of the main issues we see with hardware is that it is often advertised as fire-rated or tested to BS 476:22/BS EN 1634:1 but may not immediately detail that it is only fire-rated with the correct intumescent installed. This means, joiners or installers may not understand exactly what is required to be compliant with the test evidence. Always consult the hardware manufacturer if you are not sure what intumescent is needed before fitting hardware to a fire door. It is also always recommended to use a joiner that is FIRAS certified. FIRAS is a voluntary, third-party certification

Hardware can often be advertised as fire tested but doesn't state it is only fire-rated with the correct intumescent installed

scheme for installation contractors of both passive and active fire protection systems, operated by Warringtonfire and accredited by UKAS to BS EN ISO/IEC 17065:2012.

What standards apply ?

Essential hardware for use in fire-resistant timber doorsets must be CE marked and classified by a European standard. For example, EN 1154 – mechanical door closing devices.

This standard classifies mechanical door closers by using a six-digit coding system. Information included in this classification includes category of use, test cycles, door mass, corrosion resistance, safety, and fire resistance. Closers that are suitable for fire and smoke door assemblies must be subject to satisfactory assessment to either BS 476:22 or BS EN 1634:1.

However, the classification contains no information on how the hardware was tested, what door core was used, how the intumescent was fitted, if any, and what type was used. This is where



// You may assume it can be installed on any fire door... this oversight can be devastating to the integrity of the doorset during a fire"

Fitting a different intumescent than what was tested means that you cannot be certain it will behave the same and the integrity may be drastically affected. Post Grenfell there is an increasing desire for all components to be third party certified as this shows that the manufacturer has gone to great lengths to prove that their products perform as stated and that rigorous quality control measures are met.

Traceability and certification

Unlike intumescent perimeter seals, there is no market requirement for intumescent hardware protection products to be third party certified by a UKAS regulated body, such as Certifire. These products are safety critical in the event of a fire and should, therefore, be subject to the same legal requirements as perimeter seals. However, it is up to the manufacturer to test their products to ensure they are fit for purpose and can provide performance evidence.

Third party regulatory bodies and the wider market are wising up to the fact that this may be exploited by companies importing cheaper alternative products without due diligence.

Traceability is a crucial part of third-party certification as it is vital to ensure that any products can be traced back to the manufacturer, when it was made, and the batch of raw materials used.

Using third party accredited hardware protection products removes any ambiguity on whether the material is appropriate for use or has ever been tested to an internationally recognised standard. ■

Henry Rowden is technical manager of Vanquish Hardware Protection. Vanquish has produced a CPD on Intumescent Hardware for the GAI.

the issues arise with the classification system. Without the necessary knowledge of fire testing or fire doors, you may assume that because it has been classified as suitable for fire door assemblies, it can be installed on any fire door without further accessories, such as an intumescent kit. This oversight can be devastating to the integrity of the doorset during a real fire.

Get the right product

Not all intumescent materials behave the same. This is especially true for graphite-based intumescent; there is no minimum requirement for graphite content in the material and there is no minimum expansion ratio.

The level of expansion is important as the material must swell sufficiently to fill voids created through rebating for hardware. However, often, the brand of intumescent is not detailed in the test evidence or Certifire certificate and it may simply be referred to as 'graphite'. This means that it is possible to swap out the intumescent with any brand of

intumescent if it is described as graphite-based without any evidence that that brand has been tested with similar hardware on a similar door core and still be compliant with the certification.

Fire doors are not ordinary doors, they are engineered to withstand extremely challenging conditions and each component is integral to their performance. Unfortunately, hardware protection is often overlooked, or cheaper alternatives are substituted which do not perform as well as the intumescent that the hardware was tested with.

Different types of intumescent also have different properties; mono-ammonium phosphate-based (MAP) intumescent reacts at a different temperature to graphite and has a greater level of expansion but expands under no pressure. The insulating properties of MAP are also different to that of graphite, and it is not possible to predict how the rate of heat transfer will alter if these materials are interchanged without empirical evidence.

CERTIFIED

Vanquish has secured IFC (International Fire Consultant Ltd) certification for its FlexiFire graphite-based and Fire Protectors phosphate-based intumescent products. IFC uses existing test evidence to provide a scope for the appropriate use of these materials and carry out annual FPC audits to ensure quality control measures are in place and materials are regularly tested. It also stipulates the inclusion of traceability print on all products. vanquish-hp.co.uk

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MARKING TIME

Douglas Masterson answers your questions on the end of CE Marking and the UKCA deadline

UKCA

With the ongoing changes in respect of conformity marking including CE, UKCA and CE+UKNI the GAI has prepared a list of frequently asked questions (FAQs) to help members navigate the choppy waters ahead. The deadline of 1 January 2023 for products with CE marking only no longer being accepted in Great Britain (England, Scotland and Wales) is fast approaching therefore members should ensure they are doing all they can to prepare themselves.

What is UKCA Marking?

The UKCA (UK Conformity Assessed) marking is a new UK product marking that will be used for goods being placed on the market in Great Britain (England, Wales and Scotland). It covers most goods which previously required the CE marking.

The UKCA marking cannot be used for goods placed on the Northern Ireland market, which require the CE marking or UKNI marking which must be accompanied by the CE Mark.

Does UKCA Marking apply to my product?

Your product will need UKCA Certification from 1 January 2023 onwards under the following conditions:

- It is for the market in Great Britain (therefore not Northern Ireland)
- It is covered by legislation which requires the UKCA marking such as the UK Construction Product Regulation 2020 or European Machinery Directive through Supply of Machinery (Safety) Regulations 2008
- It requires mandatory third-party conformity assessment
- It is within the scope of a UK designated standard

Who can issue UKCA Certification?

UKCA Marking can only be issued using a UK-recognised 'Approved Body' for third party conformity assessment. The guidelines outlining how to meet UKCA Certification requirements can be seen in the relevant designated standard for that product group. What responsibilities must be met by the manufacturer, and

// UKCA Marking can only be issued using a UK-recognised 'Approved Body' for third party conformity assessment"

the necessary level of involvement from an Approved Body, depends on the level of Attestation and Constancy of Performance (AVCP) the product complies with.

Under AVCP System 1, which is the most common level in the hardware industry, a UK Approved Body must take responsibility for inspecting and ensuring continued compliance with satisfactory Factory Production Controls. The fire test data may come from either an EU Notified or UK Approved Body. However, the acceptance of this data for UKCA Certification will be dependent on the decision by the UK Approved Body which will be issuing the UKCA Certification.

What are the rules and regulations regarding branding of products for UKCA and CE marking?

The labelling of the product necessary to meet UKCA & CE Marking schemes is outlined in the applicable harmonised and designated standards. If both CE & UKCA Marking is being applied, then separate labels with a full set of information on each label must be included. In addition, separate Declaration of Conformity and Declaration of Performance documents must be supplied for UKCA & CE Marking respectively. Specific DoP Templates for both are available for GAI members on GAI website.

- When attaching UKCA labels and markings the relevant UK legislation must be referenced.
- UKCA markings must only be placed on a product by you as the manufacturer or your authorised representative (where allowed for in the relevant legislation)
- When attaching the UKCA marking, the manufacturer takes full responsibility for your product's conformity with the requirements of the relevant legislation »»



Douglas Masterson,
GAI technical manager

Can I still use CE marked products in Great Britain?

From 1 January 2023, CE marking will not be recognised in Great Britain. However, a product bearing the CE marking would still be valid for sale in the UK so long as it was also UKCA marked and complied with the relevant UK rules. Products currently requiring a CE marking will still need a CE marking for sale in the EU from 1 January 2021.

Is UKCA Certification recognised in the EU?

No. The UKCA marking is not recognised on the EU market. Products need a CE marking for sale in the EU.

Is CE Certification still recognised in the UK?

CE Certification is still recognised within the UK until the 1 January 2023. After this CE Certification will hold no validity in Great Britain, however, will still be recognised in Northern Ireland.

Is dual conformity marking permitted?

Dual marking is permitted, therefore a product can be placed on any of the relevant markets providing the relevant mark is affixed. The only exception to this is the combination of CE and CE+UKNI marking. Each marking will require its own DoP, certificate of Assessment of Performance as applicable) and supporting documentation.

Do I need to test twice to gain CE & UKCA Certification?

If you require both CE and UKCA Certification then you will need to follow the appropriate guidance in the harmonised and designated standards which outlines the appropriate tests required. Should you be Certifying under AVCP System 3 then you will need to obtain test reports from an EU Notified Body for CE Marking and test reports from a UK Approved Body for UKCA and/or CE+UKNI Marking.

Can we sell our products into Northern Ireland with the UKCA mark?

No – the two options are CE or CE+UKNI. If the product is only marketed into the EU and Northern



From 1 January 2023 CE Marking will not be recognised in Great Britain

Ireland, then CE Marking will be sufficient. CE marking will still be acceptable in NI as under the Northern Ireland Protocol, NI currently remains part of the European Single market.

If the product is only marketed into Great Britain and Northern Ireland, then UKCA and CE+UKNI Marking will be necessary and CE will not.

What is a UK designated standard?

UK designated standard is the UK equivalent of a EN harmonised standard. This is developed by consensus, which is designated by Secretary of State and is recognised by government in part or in full by publishing its reference on www.gov.uk in a formal notice of publication. At present both harmonised and designated standards are identical but there remains the possibility for divergence at a further stage.

What is an Approved Body?

From 1 January 2021, UK notified bodies operating under the EU Construction Products Regulation 2011 and based in the UK have been granted new UK 'approved body' status and listed on a new UK database. Approved bodies will be able to undertake conformity assessment activity for UK designated standards. Where an approved body has undertaken the assessment, the manufacturer must affix the UK marking. Rules around affixing the new UK marking will be equivalent to current CE marking.

I have CE Certification with a European Body, how do I get UKCA Marking to market into the UK?

You will need to contact a UK Approved Body and submit an application form for UKCA Marking if your product falls under System 1. You may then present the existing documentation to support your CE Marking and the

Certification Body can determine what additional steps are needed.

I am a distributor with existing stocks of CE marked product with no UKCA marking – will I still be able to sell these after 1 January 2023?

Yes – these items will be deemed to have already been placed on the market therefore will still be able to be sold.

What is meant by “placing on the market” in Great Britain?

The UK Government defines it as: a fully manufactured good is 'placed on the market' when a written or verbal agreement (or offer of an agreement) to transfer ownership or possession or other property rights in the product is exchanged. 'Placing a good on the market' means each individual good, not a type of good. It does not require the physical transfer of the good.

You can usually provide proof of placing on the market on the basis of any relevant document ordinarily used in business transactions, including: contracts of sale concerning goods which have already been manufactured and meet the legal requirements; invoices; documents concerning the shipping of goods for distribution

The relevant economic operator (whether manufacturer, importer or distributor) bears the burden of proof for demonstrating that the good was placed on the market before 1 January 2021. ■



For more help see GAI Technical Briefing 32G 'Brexit and standards' and the GAI Specifiers Guide 'UKCA marking, CE marking and the CPR' or contact GAI technical manager Douglas Masterson on technical@gai.org.uk

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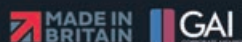
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NEW PRODUCTS »

CODELOCKS EXPANDS MARINE RANGE

Codelocks has further expanded its weather-resistant keyless access solutions, Marine by Codelocks range. The CL600 Marine Grade locks feature a marine grade finish that can withstand harsh weather conditions – appropriate for workplaces and homes by the sea, as well as outdoor and coastal applications.

The new additions are heavy-duty mechanical locks for areas with high levels of traffic and frequent use. The marine grade finish resists exposure to salt spray and moisture, helping to prevent damage caused by corroding. The CL600 Marine Grade locks have a sleek black finish.

The CL600 Marine by Codelocks range has the same features as the mechanical locks in the original CL200, CL400 and CL500 ranges, and include on-the-door code changes and key override options and full-size lever handles. The CL600 Marine locks are suitable for boat yards, garages, workshops, or construction sites, where teams of people need continuous access at different times of the day.

Marine by Codelocks locks come with a limited lifetime guarantee as well as technical support via phone, email or the Codelocks support site.

www.codelocks.co.uk/marinebycodelocks



SIMONSWERK LAUNCHES ANSELM RANGE OF CONCEALED HINGES



SIMONSWERK UK has launched the ANSELM range of concealed hinge systems for residential doors. The range offers products for lightweight interior residential doors up to 60 kg. The hinge systems

are three-dimensionally adjustable and guarantee a long-lasting, maintenance-free operation of the door and are available in six finishes.

The ANSELM AN 150 3D and AN 170 3D offer specifiers the opportunity to use narrow frames of just 25 mm depth due to the reduced frame part of the hinge, this offers the potential of concealed hinges in the most delicate of joinery details.

The ANSELM range also includes the AN 107 3C C60 self-closing hinge which allows the closing of a door independently up to 60 kg. The hinge with the integrated closing function is installed in the centre between the upper and lower hinge and has a special rotation system that makes it usable in combination with AN 160 3D.

www.simonswerk.co.uk

NEW TECHNICAL GUIDE ON GEZE PRODUCTS

GEZE UK has updated its Product Guide and Price List to help architects, architectural ironmongers and specifiers choose the most effective product for their needs.

The detailed, illustrated technical guide provides specifiers with essential information about GEZE's range of door closers, window control systems, sliding door fittings, glass door fittings, and smoke and heat extraction systems.

Created to be completely user-friendly, the guide is divided into five sections and with a reference guide to the applications of all GEZE products.

It includes technical drawings, application descriptions and finishes



as well as glass preparation information and technical information on a wide variety of solutions for toughened glass.

The Product Guide and Price List is available electronically or as hard copy. To order a copy call 01543 443015 or email: info.uk@geze.com.

LORIENT MAKES PRODUCT SEARCH SIMPLER

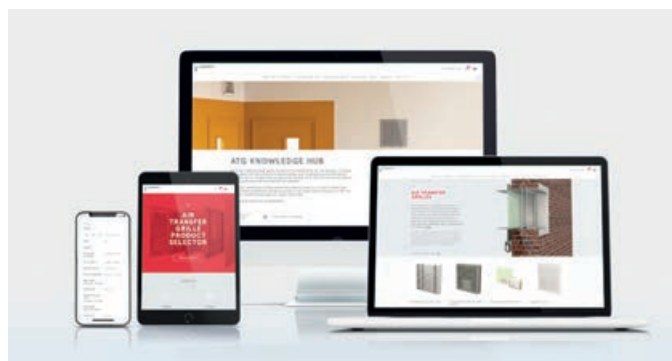
Lorient has launched a new web app for its collection of high-performance fire and smoke resistant air transfer grilles. The new ATG knowledge hub has been added to its website to provide clear technical data and information for those specifying intumescent air transfer grilles.

Lorient designs and manufactures intumescent air transfer grilles that combine air movement with fire protection. In everyday use, the intumescent grilles allow air

to circulate freely throughout the building; but in a fire, the intumescent expands to form a solid block that stops the fire from spreading.

The correct specification of these passive fire protection products is critical. The knowledge hub includes a new product selector web app, technical brochure, installation manual, FAQs and webinar.

www.lorientuk.com/grilles



GAI TECHNICAL

GAI members can avail of a wealth of technical information which is all available on the GAI website.



1. Technical Briefings

Regular briefings on relevant industry topics. Everything from BIM to BS and EN standards to UKCA Marking are covered.

2. GAI Guides to Standards

A library of over 20 guides to the most relevant British and European standards which impact the ironmongery industry.

3. Quarterly Technical Review

This publication which is updated each quarter provides the proposed timetable for changes, amendments or revisions to BS and EN standards, as well as keeping members informed on any new relevant publications or consultations.

4. GAI Specifier's Guides

A complete set of eight guides relating to ironmongery and access control product for the Construction industry. These are aimed at assisting all who are involved in the specification process from the architect, architectural technician, interior designer, M&E consultant right through to the specifying architectural ironmonger. Topics covered include ironmongery in a post-pandemic world, the internet of things, accessibility, access control and ironmongery for fire and escape doors.

5. BIM Product Data Templates (PDTs)

A series of 34 templates which are available for GAI members to populate with product information to create Product Data Sheets - this will assist with having your product ranges "BIM ready".

6. RIBA Approved CPDs

The GAI now have ten CPD presentations which have been approved by RIBA and these are all available to GAI member companies for their architects and specifiers. These cover a broad spectrum of topics from accessibility right through to internet of things. As these have been approved by RIBA they are all worth double points to RIBA members.

For further details contact GAI Technical Manager Douglas Masterson on technical@gai.org.uk



ANCIENT HISTORY

In the second of a series on iconic products we feature the door to Chapter House in Westminster Abbey

Britain's oldest door can be found in Westminster Abbey, in the passage leading to the Chapter House.

A detailed study of the wooden door, showed that the wood was felled

after 1032 AD and was constructed sometime in the 1050s, during the reign of King Edward the Confessor, which makes it not only the oldest in the UK but also the only one assignable to the Anglo Saxon period.

Britain's oldest door dates back to the 11th century

// The door is made of five vertical oak planks held together with three battens and iron straps. The construction of the door is unique

The door is made of five vertical oak planks held together with three horizontal battens and iron straps. Most unusually the battens are recessed into the planks so that the door is flush on both sides. Normally medieval doors have a flat front and the back has projecting ledges and braces. The construction of this door is unique and shows that it was intended to communicate between spaces of equal importance in the Abbey. But its original position is not known. The door has been cut down and now measures 6.5 feet high and four feet wide and leads into a small narrow room. The top was almost certainly round-arched and would have been around nine feet high originally.

Iron hinges

After the planks were fitted together probably both faces were covered with cow hide, added to provide a smooth surface for decoration (no trace of painting remains). Then the ornamental iron hinges and decorative straps were fixed. Only one of the original straps survives today with hide trapped underneath it (on the inner face of the door).

The door was retained when Henry III rebuilt the Abbey and Chapter House from 1245 but cut down to be put in a new position. In the 19th century the fragments of cow hide were first noted and a legend grew up that this skin was human – it was supposed that someone had been caught committing sacrilege or robbery in the church and had been flayed and his skin nailed to this door as a deterrent to others. ■



GAI RIBA APPROVED CPDs

The GAI have created ten CPD presentations which have all been approved by the Royal Institute of British Architects.

As they are RIBA approved this means that architects will be able to receive double learning points for attending a presentation of the CPD.

These CPDs are all available to member companies to purchase and deliver to their architects and specifiers. These can also be delivered online.

For further details including pricing please contact Douglas Masterson, GAI Technical Manager on technical@gai.org.uk

The following CPD presentations are available:

- Ironmongery specification in a post-pandemic world
- Installation of fire door assemblies and associated ironmongery
- Ironmongery and the impact of the environment
- Ironmongery and the impact of the Internet of Things
- Ironmongery and security
- Ironmongery and accessibility
- Ironmongery for fire and escape doors
- The specifier's guide to access control
- Ironmongery for specialist applications
- An architect's guide to door hardware

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