

ROOFING

The trade magazine for UK roofing, cladding and insulation professionals

TODAY

Issue 105 March-April 2023



CUPA PIZARRAS
The world leader in natural slate

UK ROOFING
AWARDS
2023

NFRC

NFRC UK ROOFING AWARDS 2023

Friday 12 May 2023 | InterContinental London–The O2

For more details see roofingawards.co.uk
or to book your table head to bit.ly/RA2023tix

The previous awards sold out early, so to avoid disappointment don't leave it too late to book your tickets.



Thanks to the continued support of our 2023 awards sponsors:

Headline Sponsor



Drinks Reception
and After Party Sponsor



Category Sponsors

Bauder
Cromar
Cupa Pizaras
ICB Waterproofing
Marley
Metal Solutions
Radmat
Recticel
SIG Roofing
Siderise
Sika

TAKE YOUR ROOFING BUSINESS TO THE NEXT LEVEL WITH NFRC

Technical advice, the industry quality stamp and fantastic
profile-raising opportunities—for all roofing disciplines

Call 020 7638 7663 or visit nfrf.co.uk/RTbenefits to request our benefits brochure—and find out
more about what NFRC membership can do for your business.



NFRC
LEADING ROOFING EXCELLENCE

CONTACT ROOFING TODAY

EDITORIAL

Editor

Dr Claire Griffiths

editor@roofingtoday.co.uk

Editorial Assistant

Emma Hardman

digitaldesk@roofingtoday.co.uk

ADVERTISING

Senior Media Accounts Executive

Brenda McNally

brenda@roofingtoday.co.uk

Media Accounts Consultant

Paul Fitzgerald

paul@roofingtoday.co.uk

ADMINISTRATION

Administrator

Jemma Daly

administration@roofingtoday.co.uk

CIRCULATION

Circulation Manager

Helen Threlfall

circulation@roofingtoday.co.uk

Roofing Today Magazine is published by
Construction Media Publishing Ltd



78 Mount Pleasant
Liverpool L3 5SL
Tel. 0151 708 0070

enquiries@roofingtoday.co.uk

www.roofingtoday.co.uk



© 2023 Construction Media Publishing
Limited No part of this publication may
be reproduced or published in any form
of advertising or promotion whatsoever
without written permission of the editor.



Dr Claire Griffiths, Editor

Welcome to the March-April edition which is packed full of roofing news, developments, articles and projects – just as the industry gears up for spring! With this edition is our own spring first-born - the very first *Traditional Roofing* supplement, produced in association with Master Roofers UK.

Traditional Roofing presents outstanding roofing craftsmanship and the insights that come with attaining the pinnacle of roofing expertise. There are some fascinating reflections on the concept of heritage roofing; unmissable advice on the impact of UK locations on detailing; intriguing insights into the provenance of reclaimed Welsh slate; and valuable technical advice on correct lead installations. Lastly, we have an enjoyable account from Jonathan Greenough of his time in roofing, including his current project: re-roofing the historic Manchester Town Hall.

In March-April's *Roofing Today* magazine we start with several interesting industry developments. First, is the call to give your opinion on revisions to

the Roofer apprenticeships Standard for England. The group which is revising and re-shaping it needs roofing employers' help to make sure it is fit-for-purpose going forward, so do take part! (see page 7).

We've also got news of more industry developments - including an Open Day at the DMG Academy (page 14); support being offered by the NFRC Charitable Trust through the Lighthouse Club (page 16); and the re-opening of a historic Welsh Slate quarry (page 18). In this edition, we also update readers on the new Institute of Roofing Associate course (page 30). Lastly, to mark International Women's Day (page 22), we highlight five *exceptional* women working in roofing.

Taking up the mantle of regular Roofing Today columnist is flat roofing specialist surveyor, Steven Dickinson, who writes an opportune piece (page 20) on the tasks roofers are commonly undertaking outside of core roofing work and the risks that can involve.

Sustainability is firmly at the top of the agenda when it comes to business responsibilities and

Anthony Hogan at the SPRA discusses whether questions of adherence methods really do trump other environmental metrics (page 28).

Next, we take an in-depth look at another flat roofing material: PMMA based systems. Highlighting this established, safety-proven technology, Gary Hemmings of WestWood Liquid Technologies shares his expert insights into some of the benefits of using this versatile system on page 32.

There's also a fascinating account from EJOT's Simon Pearson, of the past 30 years of development of the company's fastener range, on page 42. Building on the self-drilling fastener's white goods pedigree, EJOT's UK engineers continue to develop and refine the design principle to expand installation options for the roofing and cladding industry.

In this edition we also feature all the shortlisted projects, ahead of the 2023 LRWA Awards on 22 March, on page 36. This is the roofing industry at its best and the range of talent and expertise on show is truly impressive. Congratulations go to all the finalists!



Featured Front Cover

As showcased on a recent episode of Channel 4's *Grand Designs*, CUPA PIZARRAS' CUPA 12 natural slate was used for a spectacular new build project in Chichester.

Selected to enhance the property's modern aesthetic, the slate roof also complements the rural surroundings, which include a wildlife pond along with a variety of plant life.

The project was completed to a high standard by NJS Group.

Every effort has been made by the publisher to ensure the accuracy of the contents of this magazine. However, under no circumstances does the publisher accept liability for any loss or damage which may arise or result from errors or omissions in any advertisement or editorial, its content or position.

All opinions and facts presented in editorial features are those of the companies and individuals submitting such editorial and are accepted and published in good faith by Construction Media Publishing Ltd and are not warranted to be correct in any way and the publishers will not accept any responsibility for, or any liability arising from, that content.



EASIER. SAFER. SMARTER.

As an industry-leading provider for scaffolding and construction safety products, with specialist bespoke roof access, roof safety and fall prevention equipment, along with roof and leading edge protection products, TRAD UK has always championed innovation. Our extensive range sets new standards for access equipment and safety systems.

Our efficiency and safety is matched by the highest levels of service delivered by our experienced team and nationwide support network of depots. So it's easier than ever to find the right solution for your project.



Industry leading products include:

- ✓ All-In-One EdgeGuard
- ✓ Horizontal Lifelines
- ✓ Mobile Person Anchors
- ✓ Walkway Systems
- ✓ Bespoke Rooftop Access & Specialist Fabrication
- ✓ TRADGUARD Mesh Barrier
- ✓ Lockable Lift Shaft Gates
- ✓ TRAD Safety Deck
- ✓ TRAD Site Stairways
- ✓ Catch Fans
- ✓ TRADSTAIR Temporary Access System
- ✓ ALTRIX Temporary Roof System
- ✓ PLETTAC METRIX System Scaffold
- ✓ TRADLOK System Scaffold
- ✓ Scaffold Tube, Fittings & Boards

Finance options available through our business partner:



traduk.co.uk | 0345 899 0845

GLASGOW | LEEDS | MANCHESTER | BIRMINGHAM | LONDON | ANDOVER

Contents



WELSH SLATE REOPENS ONE OF ITS QUARRIES

18



WHEN IS A ROOFER JUST A ROOFER?

20

6 INDUSTRY NEWS

12 ROOF TRAINING GROUP NEWS

14 DMG ACADEMY CELEBRATES FIRST SUCCESSFUL YEAR WITH OPEN DAY

16 NFRC CHARITY HARDSHIP FUND SUPPORTS ROOFING THROUGH THE LIGHTHOUSE CHARITY

18 WELSH SLATE REOPENS ONE OF ITS QUARRIES

20 WHEN IS A ROOFER JUST A ROOFER? Steven Dickinson, London Flat Roofing

22 WOMEN IN ROOFING - LEADING THE WAY ON INTERNATIONAL WOMEN'S DAY Denise Cherry, National Roof Training Group

28 TO GLUE OR SCREW? WHEN IT COMES TO SUSTAINABILITY, THAT IS THE QUESTION

Anthony Hogan, Single Ply Roofing Association

30 TRAINING DEVELOPMENTS AT THE IOR Kay Rose, Institute of Roofing

32 PMMA LIQUID WATERPROOFING: WHAT YOU NEED TO KNOW Gary Hemmings, WestWood Liquid Technologies

36 THE 2023 LRWA AWARDS FINALISTS

42 THIRTY YEARS OF FASTENING SYSTEM DEVELOPMENT Simon Pearson, EJOT UK

46 GUTTER REFURBISHMENT AND REPAIR

48 NEWS, PROJECTS, PRODUCTS & PEOPLE



22

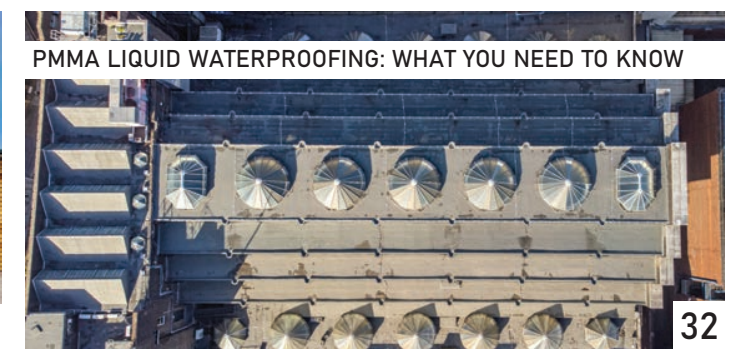


36



TO GLUE OR SCREW?

28



PMMA LIQUID WATERPROOFING: WHAT YOU NEED TO KNOW

32



TRAD UK
HIRE & SALE
SCAFFOLDING &
SAFETY SYSTEMS

Training and Apprenticeship Providers (TAP) for Roofing Launches



A new online database of roofing and cladding training courses came live on 25 January – called Training and Apprenticeship Providers (TAP) for Roofing.

TAP for Roofing (www.tapforroofing.co.uk) lists all types of training courses and for all roofing and cladding disciplines. Roofers and cladders can find training for upskilling, short courses, manufacturer training, as well as NVQs at Level 2 and 3, online courses, CPDs and webinars/seminars.

Courses to gain qualifications are on offer for experienced workers who can complete in a relatively short period of time, via OSAT where roofers and cladders are assessed completing a work task onsite. There's also modular courses completed and paid for in bite-sized chunks.

Training in all roofing and cladding disciplines can be found, from gutter lining to advanced ornate slating and there are courses in all regions of the UK.

Roof Training Group Expert Advice and Discounts

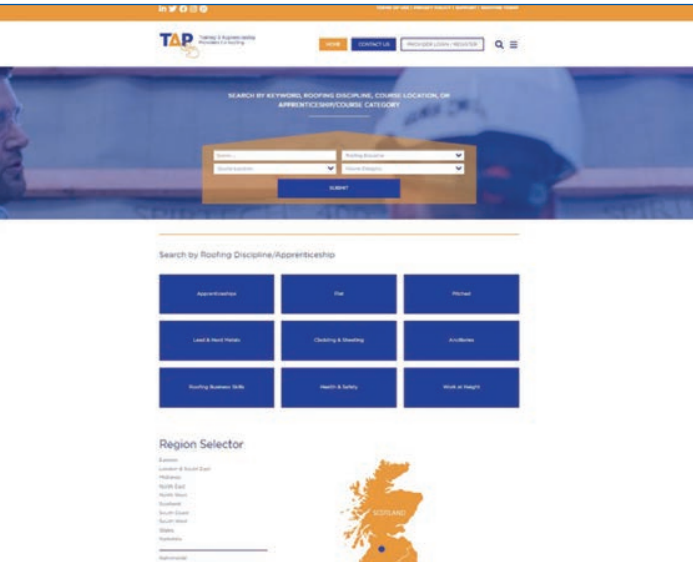
For users across the UK visiting www.tapforroofing.co.uk there are details of their regional roof training group. Roof Training Groups offer training advice and members get help with discounts on their training bookings and information on the funding available to pay for training courses.

FREE Industry Resource

TAP for Roofing is all offered entirely free of charge, as an industry resource. Neither visitors or course providers need to pay to use it.

Training providers can register for an account and upload their training courses entirely free of charge. Roofing and cladding companies can also advertise their apprenticeships on TAP for Roofing for free.

It's easy to register – just go to the homepage and click the register for an account button.



Gavin Slark Becomes New CEO of SIG PLC

Gavin Slark has become the new Chief Executive Officer of SIG plc and assumes a directorship of the company.

SIG confirmed that Steve Francis stepped down as CEO and director at the beginning of February. He remains available as a consultant to the company until April to maintain a seamless transition of leadership.

Gavin Slark's career background includes his most recent role of 11 years as CEO of builders merchant's business Grafton Group, parent company of Buildbase, Selco, Woodie's (in Ireland), Chadwicks and several others. In 2021 Grafton posted its highest ever annual profits of £341m. Grafton's share price fell when news of Gavin Slark's appointment to SIG emerged.



Gavin Slark remains as a non-executive director of Galliford Try Holdings plc until the end of March 2023. He will join SIG plc on a base salary of £675,000 plus a 5% pension allowance.

Steve Francis will continue to be paid his £60k salary by SIG plc until March. He is also eligible to receive pension contributions, an annual bonus, over 3 million shares worth around .36p each and their dividends, as well as have the legal costs of his stepping down met by the company.

Fresh Talent at IoR Board

The Institute of Roofing (IoR) has appointed two new board members – Mark Dunn (FIoR) and Graeme Millar (FIoR).

With more than 38 years of experience in roofing, Mark Dunn is Head of Training – Roofing, at Sika. Since joining the IoR in 2005, he also served as a regional officer for two years.

Mark said: "I have been involved in the institute for 18 years, and it has served me well. This is a great opportunity to give something back and help steer the IoR, ensuring it keeps benefitting our members.

"The IoR is continuing to grow, and with Kay Rose (FIoR) at the reigns as CEO, we have seen some real positive change of late. I am looking forward to being involved in some of these decision-making processes that will ultimately offer even more positive transformation for our sector."

Mark will also be responsible for delivering the IoR's Associate Course - a course designed for



anyone considering a professional career in roofing, particularly with an eye to moving into a supervisory or management role. The first cohort for the Associate Course this year will train at FixFast in Kent, in March 2023.

Graeme Millar is also a fellowship IoR member and has re-joined the board after taking his leave last year. Graeme's experience in construction spans 42 years.

Kay Rose (FIoR), CEO of the IoR, said: "We are absolutely delighted to welcome Mark onto the board, and having Graeme back is a real asset for the Institution."

Help Revise the Roofer Apprenticeship Standard

The group working to revise the Roofer Apprenticeship Standard needs your help to formulate the new version!

The Roofer Apprenticeship Standard sets the content and assessments for apprenticeships in:

- Slating & Tiling
- Waterproof Membranes Installer
- Roof Sheeter and Cladder

The Standard was first designed in 2019 and roofing apprentices have been training under it since then. The standard now needs to be revised to make sure it fits the needs of employers and future learners.

The group looking at the Standard's revision (called a Trailblazer group) is chaired by experienced roofing employer and trainer, Andy Rowlands of Rowlands Roofing.

Online Meetings

Now, Andy is looking for more roofing contractor employers to join the Standard Trailblazer group to help in the revision process.

Meetings are held online and last about an hour. Employers joining the group will need to read the proposed revisions and express



their opinion, explaining whether they agree or disagree with them. Andy estimates there will only need to be two or three meetings over a six-month period.

If you would like to know more and think you could help, please email Jo Lear JoanneLear@NFRC.co.uk or telephone Jo on 020 3940 0046 for an informal chat.

Important Opportunity

The Trailblazer group is an important opportunity to help influence the form of roofing apprenticeships over the next few years. It will have a huge impact on the number and type of apprentices trained in the UK roofing industry for future employers to recruit.

Andy Rowlands said, "It's very important that we get the Roofer apprenticeships right. The improvements we want to make must be addressed in this revision, creating a framework of relevant, fit for purpose and high-quality training to help attract people into the industry.

"The group is friendly and because it's online, it's easy to take part. We won't need much time, but we do need the industry's employers to help out and have their say on how they want this apprenticeship to change.

"Getting these apprenticeships right will mean a talent pool of well-trained young roofers entering the industry each year – and that benefits all roofing employers."

Limited Commitment

Andy emphasises that the hour-long, online meetings limit the commitment involved for roofing employers, enabling even the busiest employers to have the time to take part. He needs roofing employers of all sizes to give their input – from those employing just one person, to larger employers.

Topics to be looked at include:

- Core Skills, Knowledge & Behaviours
- End Point Assessments (EPAs)
- Separating slating and tiling into different apprenticeships
- Lead & Hard Metals apprenticeship
- Liquid Waterproofing apprenticeship
- Green Roofing apprenticeship
- Funding

Proposals for each of the topics are already in place and employers are needed to give their opinions on these and provide feedback to ensure they are formulated to be fit for purpose.

If you would like to know more and think you could help, please email Jo Lear JoanneLear@NFRC.co.uk or telephone Jo on 020 3940 0046 for an informal chat.

Kingspan Reports More Record Sales

Record sales were confirmed for Kingspan, manufacturer of insulation and building envelope solutions, as it reported a revenue increase of 28%, to € 8.3 billion for the year ended 31 December 2022.

Trading profit was up 10% to €833m and insulation and roofing sales were expanded to "significantly increase the Group's exposure to RMI".

Kingspan Group plc reports its insulated panels sales increased by 23%, driven by a 46% increase in global sales volume of QuadCore



and raw material price growth. Insulation sales also increased, by 40%, driven by inflation and acquisitions.

The business says it is preparing to enter the stone wool market, to become the sole global provider of the full spectrum of thermal solutions.

It says its A-Class Optim-R insulation panel should reach market in early 2024, "significant" progress on entry into bio-based insulation, and new product, AlphaCore is expected to launch shortly. The Group says technical insulation now comprises 35% of divisional revenue.

Kingspan's Roofing + Waterproofing platform has annualised revenue estimated in excess of €500m. Following €1.3bn of Onduline and Derbigum acquisitions and the Nordic Waterproofing stake, acquisitions contributed 9% to

sales growth and 8% to trading profit growth in the year.

Gene M. Murtagh, Kingspan CEO said: "The 2022 outturn was very satisfactory in the context of accumulating uncertainty over the course of a bumpy year that saw a strong first half performance giving way to a more subdued environment in the second half of the year.

"Kingspan recorded another meaningful year in its contribution to lowering the CO₂ emissions of buildings combined with record revenue and EBITDA touching €1 billion for the first time."

Rooftop Solar Doubles in a Year

The number of rooftop solar installations was higher in 2022 than in any year since 2015 and more than twice the amount seen in 2021 - setting a post-subsidy record. The numbers are thought to be driven by the energy price crisis and consumer desire for a more sustainable lifestyle.

A total of 130,596 solar systems of up to 50 kilowatts were mounted on UK rooftops last year, according to MCS, the standards organisation for UK renewable energy and heating technology.

The data covers all solar photovoltaic systems in domestic and most commercial rooftop systems, excluding warehouse roofs and solar farms.

It meant this January set a new post-subsidy monthly record of 16,043 MCS registrations - three times the number seen only a year earlier. It broke the previous record set in December 2015, after which the Feed-in Tariff subsidy for domestic-scale solar installations was slashed.

There are also more MCS-certified contractors, increasing by 780 in 2022, doubling the growth seen over 2020-21.

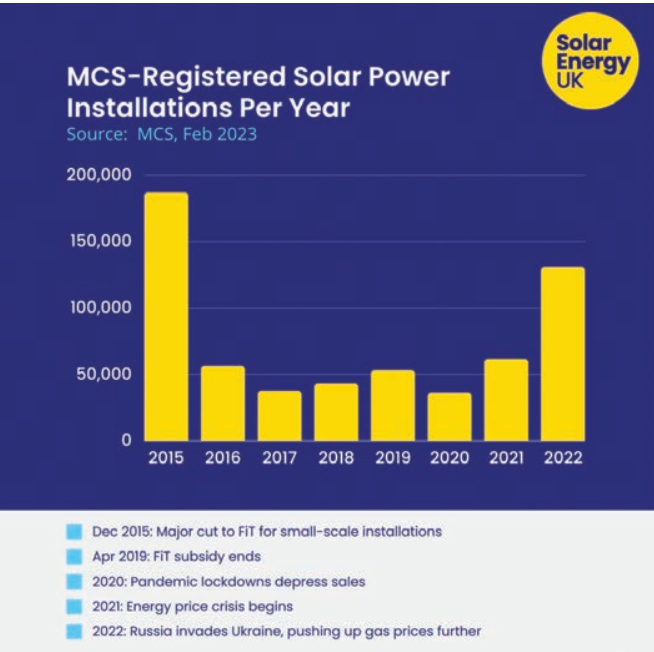
The extraordinary pace of growth comes despite the industry hitting some headwinds last year, affected by restricted availability of equipment, an acute skills shortage and the poorly designed Electricity Generator Levy.

1.1 Million Solar Homes

There are now more than 1,265,000 registered solar power installations across the UK, with about 1.1m of them on homes. Trade association, Solar Energy UK estimates that the UK now has at least 15GW of solar power capacity in place, two thirds on the ground and the remainder on residential and commercial roofs.

There are also signs that the size of installations is growing, with the average MCS installation in 2022 at 4.34 kilowatts, superseded by January's figure of 4.79kW.

"The rapid increase in solar power sales is great news for the economy, public pockets, net zero and of course for energy security too. Solar is surely one of the fastest-growing sectors in the UK right now," said Chris Hewett, Chief Executive of Solar Energy UK.



Bishops Bless Solar Panels on Chester Cathedral Roof



Solar panels installed on Chester Cathedral received a blessing by the Bishop of Chester, Mark Tanner and the Very Revd Dr Tim Stratford in January.

Chester is the first cathedral in the north of England to install solar panels on its roof. They were installed on several of the South Transept and Nave roofs of the Grade I listed monastic building over last summer.

The 206 solar panels generate 22-25% of the total energy consumption of the building and are helping the Church of England

to be net zero by 2030, and reduce its energy costs.

Chester joins the cathedrals of Gloucester and Salisbury in installing solar on its roofs. However, the panels at Chester use a non-interventive design which means they sit on the historic lead and copper roof rather than being fixed to it.

Dean of Chester, the Very Revd Dr Tim Stratford said, "Chester Cathedral is the mother church of the Diocese of Chester and we are doing everything we can to reduce our carbon footprint and ... reduce costs."

Kevin Taylor Takes Up Training and Technical Role

Kevin Taylor has been appointed as Training and Technical Support Manager at Marley, the roof system manufacturer.

Kevin's wealth of experience in roofing includes working on the tools in his early career before becoming an FE lecturer at Bolton College and Leeds College of Building. Here he trained several National SkillBuild competition apprentice winners.

Kevin subsequently worked at the National Federation of Roofing Contractors (NFRC), heading up technical and training, whilst driving change to reduce roof failure and working on the extensive BS5534 revision.

Kevin authored the roofing bible, Roof Tiling and Slating - A



Practical Guide, which is still used in training centres and colleges.

Kevin said, "I'm looking forward to working with Marley, it will be great to be part of a team again. Having worked in so many different areas of the industry over 40 years, I appreciate what's needed to achieve a good quality roof - and that's everyone working together."



Make Your Profits Shine

Become a Solatube® Dealer

Buy Direct & Save, Solatube Home UK!

- Add natural light to kitchens, bathrooms, hallways, and more
- Help clients save on energy costs
- Increase customer referrals
- Contractor discounts

Learn more



0161 513 2699
SolatubeHome.co.uk



©2023 Solatube Home

2-Hour Installation • No Major Home Modifications • Green Business

INVENTIVE

Roof ventilation solutions



- Extensive range of tile and slate vents
- Full range of adapters and accessories available
- Available in single, multi and pallet quantities

Scan for more info



timloc
building products

01405 765 567 | sales@timloc.co.uk | timloc.co.uk

New Guidance on Industry Accreditation CSCS Cards

New guidance on what to do if you have a CSCS card under industry accreditation (or 'Grandfather Rights') when they are banned after 31 December 2024 has been issued.

The Construction Skills Certification Scheme (CSCS) stopped issuing new cards which were gained through an employer's recommendation in 2015. However, over 60,000 existing cards continued to be renewed.

Now, from the end of next year, those industry accreditation (IA) cards will no longer be valid. It means that all CSCS cards will only be issued if the holder possesses or is in the process of gaining a recognised qualification.



What cardholders need to do to get a CSCS card after 2024 depends on their occupation and what qualifications they already hold.

The new guidance is set out on the CSCS website and advises on the next steps card holders should take. Often, experienced workers

can gain a recognised qualification such as an S/NVQ by submitting a portfolio of work and through online/onsite assessment.

Sean Kearns, Chief Executive at CSCS said: "IA cardholders will not need to attend college as much of the assessment can be

delivered remotely. Many IA cardholders will find it a straightforward process to replace their cards, such as moving across to the Academically or Professionally Qualified Persons cards. In addition, those who no longer attend site or are in non-construction related occupations will not require a card.

"The new guidance and support will help cardholders to either retain their card via the S/NVQ or to easily transition to another CSCS card. We would urge employers, trade associations, awarding organisations and training providers to put plans in place to support these workers ahead of the December 2024 withdrawal."

Matt Dawson Joins Master Roofers UK Board



Master Roofers UK, the roofing trade community group, has announced its recruitment of Matt Dawson as a non-executive director.

Matt, who has strong links in the UK roofing sector, has a track record of developing affinity programmes and business partnerships, most recently with the NFRC.

Matt says he is passionate about the roofing industry and wants to support standards in the sector. His ambition aligns perfectly with Master Roofers UK's mission to improve roofing standards through education and training.

Matt says he was also hugely impressed by the enthusiasm for and commitment to developing roofing knowledge and skills displayed by Master Roofers UK's managing director Stewart Rowles.

He said, "What was striking to me was the open approach Master Roofers UK has to collaboration. At every point they seek to work with people, developing opportunities together for the benefit of the industry."

"I think there is a clear potential for the biggest suppliers in UK roofing to establish closer links with the 50,000 members of Master Roofers UK. Suppliers can gain knowledge of trends and issues, gather feedback on product development and gauge response to industry changes, such as fire safety and compliance."

"For MRUK, it's about fostering those relationships for the benefit of its members. After all, it's the roofers who are experiencing suppliers' products and services daily, looking for the optimum solutions to keep their businesses competitive and efficient."

"Master Roofers UK has already achieved an outstandingly engaged community and I know I can bring lots of ideas to help develop members' experiences and ensure they really gain from their membership."

Matt is looking forward to utilising his experience from working for many years with non-profit organisations. This included promoting engineering in schools, professionalising recruitment, and increasing engagement in the consultancy and engineering sectors. Most recently, with NFRC, he has supported the enhancement of skills and quality standards in the roofing industry.

Langley Sells Eco Green Roofs for Undisclosed Sum

Langley UK Ltd, the specialist flat-roofing supplier, has announced the sale of its subsidiary contracting company, Eco Green Roofs Ltd via a management buy-out.

The MBO sale to Keith Hills, Managing Director of EGR, was completed on Monday, 20 February, 2023.

Langley's Chief Executive, Tony Silvestri, said, "The business had undertaken a review of its long term strategy and decided to stop its green roof installation and contracting activities and re-focus its efforts on its core operation of specification sales."

"The company will continue to invest in its Green Infrastructure

and Sustainability strategies but will now do so through its new Eco Solutions division. We wish Keith Hills and the EGR team all the very best in their new venture."

Eco Green Roofs Ltd was first established in 2011 by Keith Hills and fellow directors James Edwards, Sophie Waters and Chloe Molinex. The company

was bought out by Langley in 2017 and continued to focus on the design, supply and installation of green roofs and other rooftop ecological products.

The Langley Group is headquartered in Daventry, employs 125 people and provides the largest UK roofing apprenticeship scheme.



COMMITTED TO THE SUPPLY OF HIGH QUALITY TIMBER PRODUCTS TO THE TRADE.

BS5534 GRADED ROOFING BATTEN

A high quality product that demonstrates Landguard Point's commitment as a trusted British timber importer supplying batten to the UK roofing market.

Our Batten's are fully graded and meet every requirement of BS5534 Graded Roofing Batten

Our treatment provider is a member of The Wood Protection Association (WPA)

Available in sizes 25 x 50mm and 25 x 38mm. Lengths of 3.0m to 5.4m



We are excited to welcome IASPIS to the UK Roofing Market. An exclusive BS5534 Yellow Batten of the highest quality

NEW



OUR OTHER PRODUCTS

A GRADE BATTEN • GRADED CARCASSING • SAWN FENCING • MACHINE ROUND POST & RAIL
SOFTWOOD DECKING • AGRICULTURAL PEELED FENCING • SOFTWOOD & OAK SLEEPERS
EUROPEAN FENCE PANELS • GARDEN FURNITURE • GRASSMATE



Scan for further information

t: 0333 3583 007 e: sales@landguardpoint.co.uk

www.landguardpoint.com

NATIONWIDE DELIVERY AVAILABLE

Keeping it Gold in Cornwall!

The City and Guilds accredited Basic Lead Bossing and Welding course is perfect for slaters and tilers, whether they are involved in new build or re-roofing. The course provides an excellent starting point for learning the most common and most essential skills required for lead working, bossing and welding.

Luckily for his employees, Ross Golder, MD of Gold Roofing Cornwall thought so too. The South West Roof Training Group's (SWRTG) latest lead course, delivered in Exeter by Alan Lander, Rooftrain was a huge success. More importantly, Ross Golder was joined by no less than three members of his family – Dad: Barry Golder, wife: Leonie Golder, and sister: Hannah Golder.

While Barry is happy to take on an administration role for Gold Roofing Cornwall, Leonie and Hannah work alongside Ross



onsite. Leonie and Hannah only joined Gold Roofing as trainee roofers a few years ago, however both have flourished and have



taken every opportunity to learn and develop the necessary skills to secure a long-term future in roofing.

Hannah, a keen photographer, has never looked back and admits she doesn't even mind the cold weather. Leonie also has no regrets about her move into roofing, "I couldn't envisage doing anything other than roofing, I really enjoy it," she said.

Trainer, Alan Lander was impressed by the skill and attention to details shown.

Women in Roofing

He said, "There are so few females in construction so it was great to see these ladies given the chance to take up a career in such a male dominated industry. And you know what? They did brilliantly and should be really proud of what they have achieved."

Roofing is definitely a family affair, as Ross' brother Jason, who has his own roofing company, and his partner Eva are also planning to take part in the same City and Guilds accredited Lead Welding Bossing course in Exeter.

CUPA's Natural Slate Apprentice of the Year 2022



Congratulations from the South West Roof Training Group went to Emilijano Mujac from R & H Roofing in Exeter who was awarded the CUPA Natural Slate Apprentice of the Year 2022 award.

Emilijano carried out his training on the CITB funded, Specialist Applied-Skills Programme (SAP) in Roof Slating & Tiling and gained his Level 2 NVQ Diploma in 2021. His trainer, Alan Lander from Rooftrain was very impressed with Emilijano from the outset and it was this attitude

and aptitude that prompted Alan to nominate Emilijano for the award.

"Emilijano did very well on his slating & tiling course, always tried his best and had a thirst for knowledge".

It was Alan's intention to enter Emilijano into the BMI Apprentice of the Year and the SkillBuild competition; both of which Alan was sure Emilijano would have enjoyed and performed well in. However, Emilijano is from Greece and, sadly, at the end of the course he had to return home to complete his national service.

Nevertheless, this was a much-deserved accolade for a very committed young man, said Alan.



Roofing CPD Showcase



The Yorkshire and North East Roof Training Groups are working together to deliver a Roofing CPD Showcase at the Holiday Inn, Scotch Corner on Tuesday 25 April 2023.

This is a full day of roofing related CPDs and presentations, together with exhibition and information stands and breakout areas for refreshments.

Presentations include

- Unlocking the Skills Shortage: TAP for Roofing
- LRWA A Resource for Specifiers and Contractors
- SPRA Developing Competence in Single Ply Roofing through Training

- Supporting Students in the Roofing Trade
- Local Skills Improvement Plans
- An introduction to Restec's Cold Applied Liquid Roofing System
- Safety Maintenance Company - Working at Height - Facing Gravity

Presentations will each last around 30 minutes.

Attendance at the event will be free. To book your space go to www.eventbrite.co.uk/e/roofing-cpd-showcase-tickets-572901573027

Delegates can attend as many or as few presentations as they wish. Refreshments will be served all day in the networking area.

SIMIAN

Your safety. Our priority.

The UK's Leading Construction Safety Specialists

Working with employers across the country to deliver specialist roofing skills training

Our Roofing Apprenticeships!

- Flat roofing apprenticeships
- Roof slating and tiling apprenticeships

Who is eligible?

Our apprenticeships are open to **all age groups**, from school leavers (16+) to adults.



Warrington HQ

LASC

Our Locations

Our Roofing Apprenticeships are hosted at both our Warrington HQ and London Academy of Sustainable Construction (LASC) centres

Want to learn more or book your place?

Telephone: 0345 602 2418 Email: hello@simian-risk.com

Please reference **RT22** when speaking to the SIMIAN team

Use the QR code to apply



DMG Academy Celebrates its First Successful Year with Open Day

The DMG Academy held an Open Day on 7 March to celebrate its first successful year and explain its latest development - a new initiative to forge even more links with Scottish schools.

Darren McGhee, who owns DMG Services Group Ltd in Bellshill near Glasgow, opened his in-house training academy for aspiring roofers in 2021. Since then, he has been introducing young people to roofing who go on to be employed as roofing labourers or begin a roofing apprenticeship.

Now, Darren has teamed up with North Lanarkshire Council's Developing the Young Workforce (DYW) scheme to offer a roofing skills taster to pupils from 64 high schools across the country.

Darren explained, "These tasters are for any young person showing an interest in roofing to enrich their educational experience. We bring in groups of six to seven young people and start by introducing them to Health and Safety in the workplace. We provide them with hard hats and fit them up with all the PPE needed on a construction site. Then we show them a video and follow it up with questions to make sure they've understood.

"Next, we show them the make-up of a roof, explaining what each component does. Then they get stuck right in with fitting



felt and battens. It's basic roofing right from day one and they love to get hands on!"

Since starting the taster days Darren has had three schools visiting, one of which is Buchanan High School which caters for children with additional needs including autism and Downs Syndrome. Darren, who is keen to promote inclusion and equality, was particularly keen to provide a taster session for the pupils as his own stepson attended Buchanan High. As well as having a very fulfilling experience, pupils from the school also helped provide catering services for the Open Day.

The DMG Academy is also busy with school leavers, and Darren himself has employed seven apprentices who have come through its doors, where roofing hopefuls get six weeks' introduction to roofing. He plans to employ another 10 apprentices this year, to keep pace with demand for DMG's roofing services, especially from Edinburgh headquartered new home developer, Cala Homes.

Darren explains, "We've won Cala's Contractor of the Month every month. They're very impressed with what we're doing.

"The reports coming back from the site managers and agents about DMG teams - their attitude, their workmanship, their cleanliness - are second to none.

"So, our approach is obviously working. Our roofers haven't developed any bad habits. They learn, not only how to do the job well, but how to be respectful, from day one."

Giving Back

Darren's investment in the Academy has been beneficial both for his business and helping to give back to the roofing and wider community, he says.

He's recently agreed to sponsor Harestones Football Club, and as part of the agreement secured tickets for Falkirk Football Club which he gives to local families for every home game.

This spring also sees the resumption of the popular lead welding and bossing courses at the DMG Academy provided by the Lead Sheet Training Academy, which local roofing firms can send their employees to. Darren also feeds youngsters from the Academy to other local roofing firms looking to employ an apprentice, partnering with the

Roofing Department at South Lanarkshire College.

Darren's willingness to open up the talent pool to other local companies has raised eyebrows in some quarters as potentially furthering his competitors' businesses. But Darren doesn't see it like that: "That's old thinking," he says.

"There's enough work for us all. I look at it as a positive, the more recruits and upskilling there is, the better it is for the trade. It can only benefit Scottish roofing to bring up standards and eliminate the cowboys."

Darren has an employee incentive scheme which is designed to motivate and foster loyalty in his workforce. He cites a young DMG roofer who has just won a block of driving lessons as February's Employer of the Month. It benefits Darren to bring on the next generation of independent roofing squads that can drive in a work van, and benefits his employees who can earn up to £1,000 per month leading their own team.

"If you train and upskill your staff, why would they leave an environment that's so good for them?" Darren ends. ■

The Complete Supply Chain

MCRMA members provide the complete supply chain for sustainable metal-clad building solutions in the industrial and commercial sectors.



Our members encompass

- Systems manufacturers
- Component manufacturers
- Systems installers
- Stockholders
- Independent roofing and cladding inspectors
- Industry support services providers

Visit www.mcrma.co.uk

to find out more about the MCRMA and its members.

MCRMA
The Building Envelope Authority

NFRC Charity Hardship Fund Supports Roofing through the Lighthouse Charity

The NFRC Charitable Trust helps the UK roofing community and their families by offering financial help and practical support. It aims to make a positive difference to the lives of those working, or who have worked, in the roofing sector. Now, the Fund has joined forces with the Lighthouse Construction Charity to reach even more of the roofing community needing help.

The NFRC Charitable Fund was established to help the UK roofing community and their families. By offering help and support, the fund aims to make a positive difference to the lives of those working, or who have worked, in the roofing sector, and their families.

The NFRC Charitable Trust has four main areas of activity:

- Training and Upskilling
- Environmental Programmes
- Practical Volunteering
- Hardship Support

The Hardship Fund is designed to support NFRC members, their employees/subcontractors and families through times of crisis – such as being made redundant or taking time off due to illness.

Following the pandemic, the trustees of the NFRC Charitable Trust decided to promote the Hardship Support fund more widely. They anticipated that it might be drawn on more in the coming years as the cost-of-living crisis and greater economic instability have emerged.

To help make support available more widely, since 2022 the NFRC Charity Hardship Fund is being used to support UK roofing workers who approach the Lighthouse Construction Industry Charity (Lighthouse Club) for help.

The Lighthouse Club provides emotional, physical and financial wellbeing support to the construction community and their families. It offers a confidential 24/7 Construction Industry Helpline and text HARDHAT service which

Following the pandemic, the trustees of the NFRC Charitable Trust decided to promote the Hardship Support fund more widely.

provides free and confidential support and advice on wellbeing issues. These services are complemented by a free self support app which offers another route to help, along with Lighthouse Beacons which are local support groups that provide a safe space for people to share concerns.

Last year, the charity responded to over 3,600 calls for help and many of these were from the roofing community.

They were able to offer financial assistance, helping to meet the costs of food, utility bills and rent arrears. But it's not just financial help on offer. The Lighthouse Club has also arranged ongoing counselling to help support the mental health and wellbeing of roofing workforce members for as long as it is needed.

Sarah Bolton, Director of Charitable Services said, "The number of people calling on our service has increased significantly since September – by around

20%. It means we're receiving about 600 calls a month and we're gradually becoming busier."

The Charity is committed to providing an immediate response to each and every request for help – whether that's by telephone or text.

Sarah explained, "We provide a safe space for people to share their problems whatever they are. We help by first undertaking a thorough assessment to find out what sort of support is needed. That might be with suicidal thoughts where that person needs direct support there and then, or it might be that we refer the caller



Sarah Bolton



The Lighthouse Construction Charity's year in summary.

to a caseworker that can organise several different kinds of help.

"Whatever is needed, we will find the support – everything from tax advice to mental health counselling – we can always help".

The NFRC Charity trustees are delighted with the support Lighthouse Club is offering, providing the infrastructure and specialist skills needed to help meet the needs of roofing personnel through times of crisis and whenever it is needed.

Chair of the NFRC Charitable Trust, Peter Rogerson OBE said, "By partnering with the Lighthouse charity, NFRC Charitable Trust has been able to really extend its reach and help gain access to specialist support for the UK roofing community.

"We know that there are disproportionately high rates of poor mental health in the roofing sector and the NFRC charity trustees wanted to ensure that the charity's resources would be made the most of in providing some help and advice in the best way it could.

"It's great to see that the Lighthouse Club is offering a wide range of resources to help UK roofers and subcontractors in whatever ways they need, as well as providing a safe space to share concerns. We urge anyone in the roofing community to take the first step and call or text for help if they feel it would be beneficial to them." ■■

If you or anyone you know is struggling, reach out for 24/7 free and confidential support now: 24/7 Construction Industry Helpline 0345 605 1956, (UK) or Text HARDHAT to 85258. Find out more at www.lighthouseclub.org

HAVE CONFIDENCE IN YOUR CHOICE

Choosing a suitable roofing product is extremely important for any installer's reputation. To ensure you select the right product for your specific situation, it's a good idea to carry out some product research. To make things 'easy' for you, we've highlighted the features & benefits of our Ridge Kits.



Installer friendly: Strong, robust, recyclable packaging which comes with printed instructions and a link to a YouTube installation video.

INDEPENDENTLY TESTED BY BRE TO BS 8612

MADE IN BRITAIN Endorsed by the official Made In Britain membership: No low cost or inferior imports

Stainless Steel Fixings

- Corrosion resistant
- Resistant to extreme heat & cold temperatures
- Environmentally friendly

easy-trim Ridge F PLUS
6 METRE DRY FIX RIDGE KIT GREY

Glass filled nylon clips - strong not brittle

Quick & easy secure fit: Our kits have both centre AND outer ratchet clips, which offer 3 fixing points per union.

OUR OUTER CLIPS HAVE A FLAT PROFILE & ARE ALSO AVAILABLE IN TERRACOTTA

BECAUSE NO ONE WANTS RIDGE TILES & FIXINGS THAT DON'T MATCH!

OUR BATTEN STRAPS ARE STAINLESS STEEL, NOT GALVANISED. THIS MEANS THEY ARE STRONG & WON'T CORRODE

UNIONS
Unions that don't weaken when 'flexed', with adjustable clip positions for use with varying tile depths. They can be used with angled or half round ridge tiles.

RIDGE ROLL

- ✓ Available in kits suitable for 3m, 6m or 10m ridges or hips.
- ✓ Hydrophonic material repels water whilst still allowing the roof to breathe.
- ✓ Self adhesive butyl strip with extreme high tack.

REMEMBER, NOT ALL DRY FIX RIDGE KITS ARE THE SAME!
PROTECT YOUR REPUTATION & CHOOSE A COMPLIANT PRODUCT WITH QUALITY & STANDARDS.

easy-trim
Roofing & Construction Products

Unit 12B, Metcalf Drive,
Altham Industrial Estate,
Altham, Lancashire,
England, BB5 5TU


Tel 01282 930680
sales@easy-trim.co.uk
www.easy-trim.co.uk



Welsh Slate Reopens One of its Quarries

The Blaenau Ffestiniog quarry in North Wales has been reopened by Welsh Slate.

UK natural slate manufacturer, Welsh Slate is bucking the trend and re-opening one of its quarries to meet exceptional demand for its roofing, architectural and hard landscaping/aggregate products.

Its quarry at Blaenau Ffestiniog, which originally opened in 1818 but ceased production of roofing slates 10 years ago, will now re-start, leading to the recruitment of more than 20 staff. They will help produce 25,000 roofing slates per week, rising to an anticipated 30,000 in the near future.

Seven of the staff will be based at Blaenau Ffestiniog, extracting and transporting large blocks of raw slate to Welsh Slate's Cwt-y-Bugail quarry at Llan Ffestiniog, the highest industrial workings in the UK, three miles away. Six more staff at Llan Ffestiniog will saw and split the slate for the riving to be dressed at the company's main Penrhyn Quarry in Bethesda.

Roofing slates from Ffestiniog Quarry were used on such prestigious projects as Kings Cross and St Pancras railway stations, the Rijksmuseum in Amsterdam and Westerloo Town Hall in Belgium.

They were particularly popular in southern England and south Wales, as well as The Netherlands, because their lighter weight meant they were more cost effective to transport, mostly by ship. This was particularly so in



Roofing slates from Ffestiniog Quarry were used on such prestigious projects as Kings Cross and St Pancras railway stations, the Rijksmuseum in Amsterdam and Westerloo Town Hall in Belgium.

the UK, where a shipping duty introduced as far back as 1795 made the thinner slate even more cost effective to transport.

Ffestiniog roofing slates are Blue Grey in colour, generally lighter in shade than Cwt-y-Bugail's Dark Blue Grey slates, with a finer grained texture which enables them to be spilt slightly thinner and in larger formats. Although their colour is very different to Penrhyn Heather Blues, the texture is similar.

The reopening of its Blaenau Ffestiniog quarry will also enable Welsh Slate to re-establish its offering of Ffestiniog architectural products for external and internal applications such as cladding,

paving, flooring, window cills, copings and fire hearths. The quarry had always continued to produce industrial minerals.

Its reopening has required a significant investment by the company, which is part of the Breedon Group, the largest independent construction materials group in the UK. Sophisticated geotechnical mapping of the site identified suitable underground chambers with minimal overburden.

This enables the existing roof of the mine to be removed to expose the slate pillar for extraction, a process that had been started by the previous owners in 1973 but was then considered untenable.

The slate deposits identified by surveyors are expected to last for the foreseeable future.

Improve Availability

Commercial director Michael Hallé said: "It's a far cry from its peak in the 1870s when the quarry at Blaenau Ffestiniog employed more than 2,500 people and produced around 10 million slates per year. But the reopening of our Ffestiniog Quarry will improve the availability of Welsh Slate overall, with total output from the three quarries amounting to more than 100,000 slates per week.

"We are delighted we will now be able to meet the exceptional demand from both domestic and export markets for this high-quality slate. There has been a strong interest from the merchants and roofing contractors in the UK and abroad, and we look forward to seeing Ffestiniog gracing roofs again."

He added: "The investment in reopening this quarry, to allow safe extraction of the material, was considerable, but many skilled roofing contractors, particularly in The Netherlands where our slate is of far superior quality to local slate, prefer the Ffestiniog slate."

Last summer, Welsh Slate applied successfully for planning permission to increase the life of Penrhyn Quarry, its largest, and at one time, the world's largest slate quarry. ■■



Westerloo Town Hall in Belgium.



The Rijksmuseum in Amsterdam.



St Pancras railway station.

PRODUCTS IN FOCUS

Roofshield®
Industry tried, tested and trusted

Made in the UK



SPECIFY RESPONSIBLY

Roofshield: with its unique air permeability, plus high vapour transmission rate, Roofshield provides a fully ventilated roof without the need for any ventilation accessories.

When Is a Roofer Just a Roofer?

Steven Dickinson, Principal Surveyor and Estimator at London Flat Roofing discusses some of the installation tasks roofers are commonly asked to undertake outside of core roofing work and the challenges and risks they can involve.



One of the first properties I dealt with was a new-build of 12 flats, and the top floor flats were all suffering from high humidity, with water dripping from the ceilings.

With over 40 years of construction experience under my belt, I remember hearing of buildings put up in the 70s, where the builders hadn't installed the AVCL correctly in walls. This led to horror stories in the press and on TV showing mouldy houses, rotted timbers in walls and buildings not fit for habitation. Luckily for me and my micro-business at the time, I was approached by one of the largest insurance companies issuing 10 year insurance-backed guarantees for new-builds. They wanted experienced construction workers to help diagnose the problems; these were indeed real homes from hell.

One of the first properties I dealt with was a new-build of 12 flats, pictured above. The top floor flats were all suffering from high humidity, with water dripping from the ceilings. When we stripped out the roof, all the booted and suited surveyors looked in and scratched their heads. At this point I started to realise that nearly everybody was confused as to what was happening. This was my first introduction to the second law of

Recently my son-in-law started working with me before lockdown. He had served his apprenticeship as an aircraft engineer, and he was astonished, coming into the roofing trade, to see how unregulated it is.

thermodynamics, manifesting as the problems you get with thermal bridging and controlling the transfer of energy through a building, vapour barriers, insulation and ventilation! Who knew where to put them? I certainly didn't, and most of the people around me with letters after their names were also baffled. But one person, an old school engineer, talked sense, and he became my go-to mentor for many years before he retired. I was very fortunate as I was getting paid and learning at the same time.

If the majority of the suited and booted who write the specifications don't understand the full implications of the materials being specified and used, how on Earth can we expect the construction and roofing companies to understand the

implications and consequences of what they're doing? And, it begs the question, how essential it is to install such materials correctly?

Unregulated Trade

Recently my son-in-law started working with me before lockdown. He had served his apprenticeship as an aircraft engineer, and he was astonished, coming into the roofing trade, to see how unregulated it is. When I showed him all the British Standard documents that I refer to on a daily basis to get specifications, and told him how much they cost (£200 - £300 each), he couldn't understand why they were not free to everybody. "How can you build something correctly if you don't have free access to the correct information?" And there lies a significant problem!



So, we have roofers who are being asked to install insulation, AVCL and sarking felts. Each of these materials has to be fitted to the correct specifications or they could fail.

Yes, of course we should read the manufacturer's specifications, but the biggest problem is that frequently roofers are working from drawings that give insufficient or incorrect information. Regularly, I am given drawings that state "add a vapour barrier", but no specifications on its vapour resistance are provided.

Nowadays I tend to do surveys only, trying to help customers resolve the situation of having had a roof installed incorrectly. I have great empathy with customers who have spent lots of money on a project that has failed and needs remedying or re-doing.

However, I can also empathise with the roofer who has installed a roof incorrectly because they just weren't clued up enough, or the roof has failed due to other tradespeople breaching the roof system. The responsibility still lies firmly with the roofer and something like this could basically break their business and make them insolvent. All of this is a messed-up concoction of a lack of information, insufficient or bad training, poor design and external intervention (other tradespeople).

Information and Guidance

The manufacturers of materials do provide plenty of information and guidelines on how to install their products. But, with so many different suppliers and systems available to form the buildup of a roof, the roofer not only has to read up on each product, but also has to find out if that product is compatible with the other products.

Let's take smooth fibre cement slates; these have been around now for years. However, hidden deep in the manufacturers' specifications and in the British Standards document (BS 5534 2018 slating and tiling for pitched roofs and vertical cladding. Code of Practice) is the fact that that these slates are classed as 'air closed', and that means they must be installed over a sarking felt that is:

- air closed,
- or HR (highly resistant to the transfer of moisture - a new category),
- or over cross battens and vented.

So smooth fibre cement slates cannot be installed directly over the most commonly available and used sarking felts (LR), without double battening, because the transfer of moisture to the underside of the slate could cause condensation and therefore rotting battens and fixings.

It's not only the smaller roofing companies that are getting caught up with this mess of understanding product compatibilities, it's also the larger companies. Several times a year I

The biggest and most common problem is loft conversions with cold roofs. I have never seen a cold roof installed correctly on a loft conversion. Last year I built a mockup of a loft conversion and demonstrated how hard it is to install an AVCL.



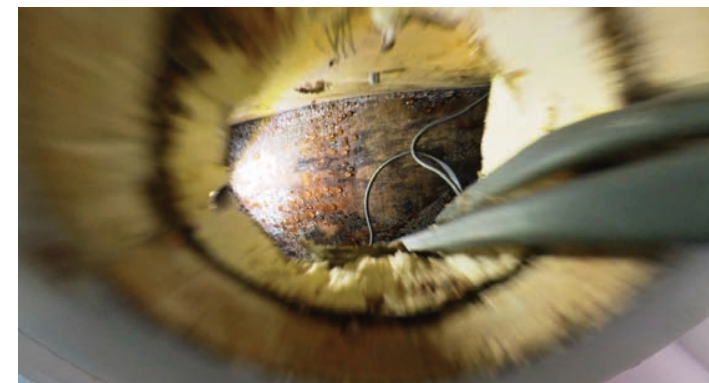
...with so many different suppliers and systems available to form the buildup of a roof, the roofer not only has to read up on each product, but also has to find out if that product is compatible with the other products.

do roof inspections on building estates that are still under construction; hundreds of units, all with incorrectly installed materials, whether it be the roofing, sarking felt or the AVCL.

The biggest and most common problem is loft conversions with cold roofs. I have never seen a cold roof installed correctly on a loft conversion. Last year I built a mockup of a loft conversion and demonstrated how hard it is to install an AVCL. Not only do you need to buy the correct product, but you need to buy the entire system - the tapes and fixings that go with the product. You then

need to install it correctly so that it's airtight. Leaving an apprentice or the labourers to do this is not the way to go! After it's installed, it has to be looked after and cannot have holes cut into it by other trade persons, such as plumbers or electricians.

Time and time again, I see a cold roof installed with holes cut (see picture below), not only through the AVCL, but also through into the insulation and the vented space behind, totally breaching the airtight seal, and therefore the thermal element of the roof. The amazing thing is that Building Control never seems to pick this up.



Time and time again I see a cold roof installed with holes cut, not only through the AVCL, but also through into the insulation and the vented space behind, totally breaching the airtight seal, and therefore the thermal element of the roof.

My conclusion is that roofers should not be asked to do other work outside of their main job, unless they have been trained in that area. However, I know this is easier said than done, because they are the people on the ground (or actually on the roof) at the time.

This all really comes down to who is responsible for each item. With cold roofs, roofers often get contracted in to do the roof only, but still get the blame if the roof fails because:

- there's a lack of ventilation in other elements,
- the AVCL hasn't been installed,
- the AVCL has been incorrectly installed,
- lights have been punched through, breaking the integrity of the roof's thermal element.

Conclusions

So what's the answer?

- Roofers should stick to roofing unless they really understand the implications involved in taking on installing these other elements.
- Always follow the drawings and specifications given, and if the detail is not on the drawing or hasn't been provided, ask for it!
- Don't take on the design element - it's so easy to be helpful and say OK, let's do it this way. By doing so you take on the responsibility of the design and this requires qualifications and personal indemnity insurance!
- Make your paperwork clear as to what exactly you are doing and what your responsibilities are.
- Keep up your Continuing Professional Development (CPD). ■

<https://londonflatroofing.co.uk/#steveeroofer>
www.youtube.com/@SteveRoofer/videos

Women in Roofing - Leading the Way on International Women's Day

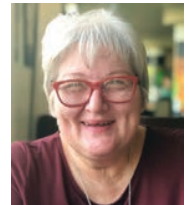
Denise Cherry, Chairperson of the National Roof Training Group

International Women's Day takes place on the 8 March, and to mark the event we are sharing the stories of some of the exceptional women in roofing.

As I spoke to these women I was overwhelmed by the enthusiasm and joy they showed. They are a real credit to our industry, expressing capability and commitment in equal measure for their various careers.

It is clear from these stories that women are performing in a wide range of roles across roofing, challenging any misconceived gender stereotypes that still circulate about the sector. This is an industry open to all, and everyone's contribution is valued. It's also interesting to learn the range of routes into roofing demonstrated in our interviews, which should hopefully inspire both early career talent and career switchers.

It remains for me to thank our interviewees who have so ably shown what can be achieved as a woman in roofing.



BobbieMay Smith

Apprentice Roofer

G Smith and Sons Roofing Ltd

My Dad runs G Smith Roofing Ltd, and I have always been interested in what he does. I have joined him on site since I've been old enough and have learned a lot. Initially Dad kept me on small areas (I guess to keep me safe), and my speciality was slating the sides of dormers. I used this as an opportunity to practice doing decorative slate cutting, and there are quite a few dormers across Leeds which have slate patterns that I have done.

I was never given a silver spoon – if I was laying slate, I had to load it. I'm learning most of the elements of a job – I can now work out the gauges and do some slating and tiling. I enjoy all of it, I get real job satisfaction opening a site, even stripping a roof and clearing up, seeing a job from start to finish – it's a privilege to see a job completed well. So, I would describe my role as always learning – I am developing and growing with the company.

For example, since doing a leadwork course at the Salford MasterRoofers Academy, I do a lot of leadwork. Other people in the company can do leadwork but I feel I have more patience and I take my time to get things right, I take pride in being able to do the best weld in the company.

Since the leadwork course, my Dad bought me a lead welding kit. When he posted about this on Facebook, a retired roofer, Clive

Armitage, sent me his lead working tools. I was delighted, as although they are well used you can see they are great quality and will last me a good time, certainly through my training. I was truly inspired because he obviously believed I had potential, which I don't always see in myself. I have been offered an opportunity to do the Level 2 Leadwork Specialist Apprenticeship and will start this soon.

Ours is a family business and I am committed to putting in time and effort to help grow it. My brother, Cobie is a Level 3 trained roofer who is now studying for a NEBOSH health & safety qualification. Following in my Dad's footsteps, we are both committed to working for everything we have, and making our roofing business the best it can be. In a few years I hope to have developed slating (including decorative work) and leadwork skills to an exceptional level - I want to be the best.

I am encouraged to try everything, and equal or better the achievements of others on site. When it comes to tasks such as loading, although I'm relatively small, I'm keen to do the same as everyone else where possible, but not if it limits productivity. I think men sometimes have this pride thing and possibly lift too much, whereas I encourage a focus on good working practices – lifting less can actually mean a speedier process.



I am most inspired by the whole G Smith team – they make no concessions, are always challenging, but really supportive. I need a thick skin sometimes, but banter-wise, I can give as good as I get. I work with family and would not have it any other way, together we are working to build a great business, working to the best of our individual skills.

Whilst there are not enough roofing tradeswomen, there are many women about in the industry. They run roofing companies and suppliers, they keep the wheels turning, often invisible but very active and they don't get the recognition they deserve. They are always a source of help and advice.

Would I recommend roofing to other girls? I would say, don't do it to prove a point, do it because you want to. Don't limit yourself because you're a girl, but don't do it to unless you love it.

Clare Fenton, director of:

Mark Fenton Design Services Ltd

Fenton Partners Consultancy

Veritherm

Chair of the Metal Cladding and Roofing Manufactures Association

European Women in Construction and Engineering Awards 2022 Lifetime in Construction Winner.

I fell into roofing to support my husband who was a specialist roofing and cladding designer and, back then, still using a drawing board. He asked for my support when his work was becoming computerised, so I went to college and studied to be able to copy his hand-drawings of design details to CAD.

When I was detailing, I used to love starting a new project, with a fresh piece of paper or clean screen and collating information, from drawings, specifications and emails. Having been part of some truly amazing projects, I took enormous pleasure in visiting the completed projects, when occasion allowed. Specialist detailing is one of the jobs that is almost invisible to most, but it is what really makes a building work.

The main focus of my work now is around consultancy and innovation. My husband and I built up the business and subsequently sold it to concentrate on our consultancy and building performance businesses. We now work with our son, Tom on an innovative solution that we hope will change the way buildings are assessed post-completion.

In my role as Chair of the MCRMA I remain involved with industry, and I am proud of the work done by the organisation. I get frustrated

when people just focus on the bad in our industry; we should start changing the dialogue by putting the focus on the good work being done. The MCRMA is a great example, and I joined it because I had first-hand experience of needing the information they offer. All my staff at Mark Fenton Design took part in CPD Thursdays when we utilised MCRMA resources; MCRMA is an excellent resource that is freely available.

One of my main challenges historically, has been obtaining relevant information. But now I love the fact that I'm using my knowledge to influence things. I always felt I was lower down the food chain, and asking difficult questions was often met with responses such as 'it's not your role to ask that'. Now, I'm in a position where I no longer get those responses and feel that I can really make a difference.

In a broader sense, the challenge is to locate people with the right skills and make sure we promote an inclusive working environment. Despite being good at maths (it was my favourite subject), when we were given careers advice at school, the lads were offered engineering and I was offered banking; that's why there are so few women



in construction. We now see girls given the same opportunities as the boys and I believe you can be whoever or whatever you want.

That attitude was modelled to me by parents. My mum was very hardworking, rode motorbikes, and accepted everything in her stride. My parents did not follow stereotypes, they made it normal for me and my sister to do anything we chose to do.

However, I also think being a woman in roofing has been of benefit to me. People tend to remember me because I'm often the only woman in the room. And I always have an opinion!

I'm not sure I would have recommended the roofing industry to women 10 years ago, but I would now. It's not just that the industry is getting better, but also that women themselves are becoming more resilient. Generally, I find women come into a job and just get on with it.

Erin Fahie

Apprentice Administrator

SPV Special Projects Ltd

I started with SPV in January 2022, and started my Level 3 apprenticeship in Business Administration with Juniper Training in June of that year. My job involves answering the telephone to customers, looking after customers who visit the office, email and administration.

It's really good working at SPV and the people are lovely and welcoming. It was a big adjustment to go from being at college to working full-time. Before I came to SPV I went

to college to study, but I wanted to get into work and an apprenticeship offered an opportunity to get experience on the job, whilst being paid, which is a bonus.

I have family connections in roofing and I never thought I would be interested in working in roofing, and I certainly wouldn't on the tools. But there are so many different roles in roofing that don't involve working at height! I enjoy my work here and the career structure is good so I can see a progression route. I will



complete my qualification later this year and think it's a good opportunity for me to develop my career in roofing administration roles.

Chloe Guy

Director

Templar Roofing Services Ltd

I came into roofing about seven years ago, attracted by the variety, independence and job satisfaction that I was looking for and the financial rewards.

Martin Adwick, my step-dad, ran Templar Roofing and my sister followed my mum in running the office. So, it seemed natural that I would join them, and work on site. I've always been active and I like working outside. Although my first task was to spend a month cleaning the roofs of Leeds and Bradford Airport (bird poo gets everywhere!), I really liked the job - despite the weather.

After a while, having proved I could do the physical aspects of the job, I started my apprenticeship in Built-Up Felt Roofing. I had to travel for the training, staying in Scotland to complete the course with my colleague, Billy. It was worth it when we both completed our Level 2 qualifications, becoming qualified roofers. I continue to train and have all the usual health and safety qualifications, including IPAF, PASMA, manufacturer training, and I am shortly to take the five-day Site Manager's Safety Training Scheme (SMSTS) qualification.

Billy and I have continued to work as a team, and we work really well together but now it's time for me to step up into management. Martin has chosen to retire and has generously offered me the opportunity of running this established business. I will become a director with overall responsibility, although he has agreed to continue to offer his advice and his extensive knowledge of roofing and I intend to hold him to it!

My short-term goal is to make information more easily accessible to everyone in the business by making the computer systems more available. Additionally, I'm considering new packages which will reduce duplication of effort by streamlining processes.

Moving into management is my biggest career challenge so far, and as the weather improves I'm sure I will miss being on site. But carrying out roof surveys and inspections will give me a chance to complete some jobs myself and keep my hand in.

The most enjoyable aspect of my job is getting on with people and working effectively. I'm a bit of a neat freak and I like my van



clean and organised so that I can lay my hands on anything quickly. I enjoy showing customers and colleagues the great pride I take in the way the roof looks; similarly, the site needs to be organised and I'm good at planning work - I'm more organised than most! My teams appreciate this and they know if they need support, I will be there with the knowledge to offer solutions.

To women considering a career in roofing I would say - go for it! I get some double-takes when people see me on site, but, more importantly my teams support me fully and have my back.

Chloe Mulvey

Territory Sales Representative

Rubberseal Ltd

I fell into my career head first! I met my now boss, David Stewart having just come from overseas. Despite having no experience of the roofing industry, he saw potential in me and here I am, almost three years later.

My role primarily is to generate new business for Rubberseal. It's great to get out and about for visits, but I also do this effectively with my online presence. I enjoy raising awareness via social media posts, demo days and attending events - which all keeps the role diverse and exciting.

Championing my clients is what I love the most. I'm a people person and really value and appreciate taking the time to build and maintain relationships with my clients, ensuring they feel appreciated.

I have a thirst for knowledge and I get to utilise this, explaining our liquid waterproofing and EPDM systems and my favourite client

discussion is around our green roof modular system. Lush!

Continuing to build my confidence and reputation in the industry is so important to me. I recently connected with the lovely Kate Whatley from SPV Special Projects who has encouraged my professional development. Thanks to her, I'm now enrolled on the IoR Associate Course and hope to progress into management.

As a self-confessed perfectionist, I found the material shortages particularly challenging. That feeling of uncertainty that I had to relay to clients regarding their orders did not come easily, but I quickly learned the value of maintaining honest communication and keeping customers informed.

Learning a new vocation has not always been easy but I've been met with a warm welcome from everyone, from contractors to architects.



My directors, David Stewart and Craig MacLanachan, are wonderful and they feel like family.

I really believe that women have a huge opportunity to open new doors and add a certain fresh, improved perspective on the roofing industry.

DAVINCI Roofscapes

BBA APPROVAL INSPECTION TESTING CERTIFICATION

40 YEAR WARRANTY

bre

NaCSBA National Custom & Self-Build Association

a shake roof... without the maintenance?

introducing

DAVINCI SELECT SHAKE

Autumn

Black Oak

Aged Cedar

DaVinci's Select Shake roofing provides the craftsmanship and authenticity of natural, hand-split cedar shake but without the ongoing maintenance and upkeep of wood. Make your dream home a reality today with Select Shake!

- ☐ Fully tested to BBA Standards, including fire, wind, driven snow & rain, and water absorption
- ☐ Easy to install with pre-marked nailing guides
- ☐ Lightweight - as low as 14kg per m²
- ☐ Easily cut with a sharp utility blade or fine-toothed saw
- ☐ No sorting, clipping or drilling, can be fixed direct to roof, out-of-the-pack
- ☐ A choice of 3 amazing colours stocked in the UK to add even more exclusivity to your home or project
- ☐ Overall cost saving over traditional cedar roofing, as well as longer lifespan and minimal maintenance
- ☐ No breakages - will not crack, split or break if dropped or walked upon
- ☐ Low 15° pitch
- ☐ 40-year, transferable, extended warranty
- ☐ Resistant to fading, rotting, cracking, and pests
- ☐ Authentic cedar shake appearance - combines the beauty of cedar with modern, composite technology

DaVinci Select Shake is created from authentic wood profiles making it the most realistic roofing product on the market.

ISS ANNOUNCE A CARBON NEUTRAL BRAZILIAN SLATE!

The newest additions to our Brazilian Slate Range, Pedra Leve and Pedra Preta are now certified CARBON NEUTRAL products.

- **Eco-Friendly.**
- Made with renewable energy and sustainable materials.
- **Durable and long-lasting.**
- Natural slate has a long lifespan and withstands all weather conditions and protects your home.
- **Supports the transition to a low carbon economy.**
- The government plans to decarbonise building materials and practices by 2050. Choosing building products with less environmental impact is the obvious choice for the planet and future generations.
- **Certified and accredited as Carbon Neutral with ClimatePartner.**
- ISS will use a REDD+Project, a forest initiative in Brazil, to offset our carbon impact.

To read more about this and other projects please visit the website at:
www.independentslatesupplies.com/iss-carbon-neutral-slate



INDEPENDENT SLATE SUPPLIES
Where quality comes naturally

www.independentslatesupplies.com Tel: 01752 848080

For more information please see: www.independentslatesupplies.com/ISS-carbon-neutral-slate



Independent Slate Supplies: Building a Greener Future

The newest additions to Independent Slate Supplies' (ISS) Brazilian slate range, *Pedra Leve* and *Pedra Preta*, are certified carbon neutral products. Sustainability is a core value of ISS, and our latest initiative is a testament to this commitment: we have made significant strides towards carbon neutrality by introducing a carbon neutral Brazilian slate.

What is carbon neutral?

Our new CN Brazilian slate has a net neutral carbon impact on the environment. We achieve this by calculating the CO₂ equivalent emissions released into the atmosphere and offsetting them. Carbon neutral products are at the forefront of driving sustainable change and paving the way towards a greener future.

How does a product become carbon neutral?

To ensure a slate is CN, the carbon footprint of the product is measured and calculated. This process examines the life cycle of the slate, energy usage, extraction, and transportation, as well as longevity, and waste.

Why have we done this?

The construction industry contributes to climate change, and we are committed to addressing this issue. As the government ramps up efforts to decarbonise the construction industry by 2050, the demand for sustainable and eco-friendly building materials has never been higher. Choosing building products with less environmental impact is the obvious choice for both the planet and future generations.

The sustainable credentials of our Brazilian Suppliers

Natural slate is already a good choice for the planet because, unlike some roofing materials, it does not require chemical treatments or preservatives, which can harm the environment. One of our Brazilian suppliers is an excellent example of sustainable and efficient production in the slate industry. By operating entirely on solar power and recycling all of its water, our supplier significantly reduces its carbon footprint. Only 15% of the production process uses electricity, with most of the work being done manually by skilled craftspeople. There is also no waste created from this process. Over half (55%) of the slate that is extracted is used for roofing and sill products, whilst the remaining 45% is utilised for agriculture and road resurfacing in Brazil. It means that customers can be confident that the slate they are using is not only carbon neutral, but has been sourced and manufactured in a way that minimises its environmental impact.

How have we got a carbon neutral slate?

ISS has teamed up with ClimatePartner, a leading solutions provider for climate action. ClimatePartner helps customers calculate carbon emissions and offset unabated emissions to render products and companies as carbon neutral. ClimatePartner provides a label which confirms that carbon emissions have been measured and offset via certified carbon offset projects. The company ensures their 'label guarantees transparency and traceability in Climate Action', which is important to us at ISS.

How do we balance our carbon impact?

Through ClimatePartner, Independent Slate Supplies will eliminate our carbon impact by supporting a REDD+ forest protection initiative, located in Cujubim, Brazil. The project is important to ISS as we primarily source natural slate products from Brazil.

Operations Manager at ISS, Wim van der Lugt, said "By participating in this forest protection initiative, we are directly supporting the restoration of Brazilian forests. Even though our business activity does not directly harm the Rainforest, this project gives back to everyone, both local communities in Brazil and the environment."

Our Commitments

1. ISS is committed to doing everything it can to be a trailblazer for sustainability within our industry. Our carbon neutral slate product is backed by our commitment to sustainable production practices, ensuring all of our processes are as environmentally friendly as possible.
2. As our company grows, profits are no longer the sole focus; sustainability becomes equally, if not more, important. We are dedicated to ensuring that our carbon neutral range does not result in additional profits. If we happen to exceed our average margins by the end of the year, we pledge to re-invest the surplus into a social project both in Brazil and closer to home.
3. Our initial objective is to reach carbon neutrality, and if feasible, transition to net zero emissions by 2026.
4. There is a clear intention for ISS to change and we hope by doing so, the whole market moves forward to leave a legacy that our suppliers, customers, employees, and shareholders are proud to be a part of. III





The Earth Trust building constructed by Delomac Ltd using CCM Ltd materials. Winner of the Best Sustainability award in the 2020 SPRA Awards.

To Glue or To Screw?

When it Comes to Sustainability, that is the Question

Anthony Hogan, Technical Manager, Single Ply Roofing Association



Occasionally, the issue of the most sustainable method of attaching a single ply roofing system is raised. As one enquirer notes, 'glue or screw is quite an important question these days,' and for good reason. As we drive towards net zero carbon emissions by 2050, the focus is on reducing the consumption of natural resources; reusing or recycling materials; and transitioning to renewable energy sources. But should the sustainability of a single ply roofing system be assessed by its method of attachment? To glue or to screw: is that the question?

In the context of a single ply roofing system, the term 'method of attachment' refers typically to how the thermal insulation (if applicable) and waterproof covering are installed. It must be acknowledged that adhering (glue) or mechanically fastening (screw – or a combination of both) a single ply roofing system are not the only available methods of attachment. Single ply roofs may be ballasted by growing media and planting (green roofs), paving slabs, and/or stone pebbles; or vacuum-attached, too. Neither relies on adhesives nor

mechanical fasteners (except at changes of plane, penetrations and perimeters) to resist wind uplift. At a fundamental level, therefore, the question is incomplete. Perhaps 'to ballast, to glue, to vacuum, or to screw?' would be more appropriate.

When the topic was discussed at a recent SPRA Technical Committee meeting, one member (not a representative of a manufacturer or system supplier, so somewhat neutral) offered a property protection perspective: if a roof failed due to fire or inadequate installation, any notion of sustainability would be lost. To argue about the most sustainable component of a single ply roofing system, therefore, is misguided. More importantly, the roof must protect the building for its anticipated, decades-long, lifetime.

This speaks to a wider point. A single ply roof is a system of components, of which the method of attachment is just one – in adhered and mechanically fastened systems, at least. A typical warm roof system, for example, includes a structural deck/slab, Air and Vapour

Control Layer (AVCL), thermal insulation and waterproof covering.

The structural deck/slab must withstand all dead loads applied by other roof components and all variable loads applied by attenuated rainwater, foot traffic, snow and wind uplift. The AVCL must control the movement of air and water vapour to prevent harmful condensation.

The thermal insulation must prevent heat losses from the building and heat gain within. The waterproof covering must prevent water ingress and, if a suitable colour, could help to prevent overheating by reflecting sunlight. Each component contributes to the long-term performance and, therefore, the sustainability of the system. If one component were to fail, so too would the system.



Thames Hospice: winner of Best New Construction 2020 in the 2020 SPRA Awards by County Flat Roofing (UK) Ltd with ICB (Waterproofing) Ltd.

As we drive towards net zero carbon emissions by 2050, the focus is on reducing the consumption of natural resources; reusing or recycling materials; and transitioning to renewable energy sources. But should the sustainability of a single ply roofing system be assessed by its method of attachment? To glue or to screw: is that the question?

Of course, each component of a single ply roofing system has its own carbon content and global warming potential. These can be measured by a life cycle assessment (LCA) methodology and reported in an independently verified Environmental Product Declaration (EPD). While the data in EPDs may be used to compare the environmental impact of products, predominantly it is used in building level, whole life carbon assessments, which measure the embodied and operational carbon of a structure. Indeed, LCA data was used to award environmental rankings to flat roof elements, i.e. systems, in the Building Research Establishment (BRE) Green Guide to Specification. Within the description of each flat roof element, the method of attachment is not mentioned.

At building level, how single ply roofs are used can benefit the sustainable performance of a

development. They can be recreational spaces for building users (lockdowns during the coronavirus pandemic highlighted the value of accessible outdoor space – especially in cities). They can be places to grow food, decreasing food miles and the use of packaging. Blue roofs attenuate rainwater run-off as part of sustainable urban drainage systems, lowering the risk of flooding. Green roofs encourage biodiversity and reduce the urban heat island effect, cooling towns and cities. Rainwater can be harvested for use in greywater systems, saving water. Roof-mounted photovoltaic panels generate renewable energy, shifting energy production away from fossil fuels.

Instead of glueing or screwing one's colours to the mast of most sustainable method of attachment, one must understand that a single ply roofing system is greater than the sum of its parts. ■■■



Marlborough College by the Complete Roofing Company Ltd with Bauder Ltd. Winner of Best Detailing 2020 SPRA Award.



HILTON LEEDS CITY THURSDAY 15 JUNE

The SPRA Awards Luncheon will return to Hilton Leeds City, Leeds on Thursday 15 June. Last year, over 180 members and their guests gathered to enjoy a drinks reception, feast upon a three-course luncheon; celebrate excellence in single ply roofing; and network with their peers – the largest event in SPRA history! This year's event will be just as special and will feature the following award categories for projects completed in 2022 –

- Best Detailing
- Best New Build
- Best Refurbishment
- Best Small Project (≤100m²) **NEW!**
- Competence Award (closed for submissions) **NEW!**
- Health and Safety Award
- Outstanding Contribution to Single Ply Roofing **NEW!**
- Sustainability Award

SPRA members may submit their projects and nominations for the Outstanding Contribution to Single Ply Roofing award using the form on the SPRA website. The deadline for submissions is Sunday 30 April.

Ticket prices range from £165.00 + VAT for an individual, up to £1,567.50 + VAT for a table of ten people. So what are you waiting for? Join us at what will be a spectacular event in the roofing industry calendar!

Submit your projects and buy your tickets now!



Training Developments at the IoR

Kay Rose (FIoR), CEO of the Institute of Roofing (IoR), explains how and why the Institute has refreshed its Associate Training course.



The skills-based shortage has been a problem in construction for some time, and professional training is not without its issues. With the cost-of-living crisis having a knock-on effect for businesses, investing in training for employees might not be high on the agenda. However, the urgent need to upskill is still looming large. Although the UK economy is facing a recession in 2023, Construction Industry Training Board (CITB) statistics suggest within the next 5 years there will still be substantial recruitment and training needs.

Meeting Sector Needs

With serious competition for skilled roofing professionals, employers are feeling the pressure to retain and upskill their workforce. The CITB also reports that by 2030, the number of young adults entering the workforce is expected to increase by 25 per cent. But how can we make sure we are attracting the right people with the knowledge, skills and diversity to meet the sector's future needs? As an industry, we need to adopt new approaches to recruitment and skills – modernising our attitudes, working practices, offering more flexibility and investing in our own – helping to improve retention.

Professional Training

For employees, it is important that their qualifications and CVs are up-to-date by upskilling and re-evaluating training goals. Training can offer many benefits to employees looking to progress and there is plenty of free information and guidance out there. Members and non-members of the IoR for example are encouraged to make the most of the guidance and training available to them; such as online

courses, support, guidance, and learning opportunities.

The Associate Course

As part of the IoR's commitment to promote continual upskilling and training, no matter what level you are working at, it has recently refreshed its Associate Course, and has announced new dates and locations for this year.

The Associate Course is for anyone considering a professional career in roofing, particularly with an eye to moving into a supervisory or management role.



Phillip Wilcox-Moore
(FIoR), Managing
Director of Axter Ltd.

Updated in-line with my vision to modernise the Institute, the training has been refreshed with support from Mark Dunn – new IoR board member and tutor for the IoR.

The course includes a more interactive, presentation-led learning style, providing essential skills and knowledge to enable candidates to progress in the roofing industry. Successful candidates will gain an Awarding Body of the Built Environment (ABBE) Level 3 Award in Roofing Management. The first cohort for the Associate Course this year took place at FixFast in Kent, earlier this month (March 2023), with other dates and venues planned across the UK throughout the year.

Testament to the IoR and Training

This year, waterproofing system manufacturer, Axter Ltd, is investing in IoR training for its employees. Phillip Wilcox-Moore (FIoR), the MD from Axter Ltd, said its technical sales team will be the first to train, rolling it out to the wider business soon after.

Speaking of why he thinks the Associate Course is important for his staff, Phillip said: "As a company, we are committed to providing industry-specific training that is independent,

Phillip plans to provide Associate Course training to internal departments within the next phase of staff upskilling.

"It's critical all people within the business have a good overview of our sector. I see the IoR potentially positioned as the best route to gain the independent knowledge required to flourish and progress not only as individuals, but as a business.

"When I was new to roofing, I would have been keen to do some training like this, so I am glad I can offer it to my staff."

The IoR's Relevance Today

By working collaboratively as an industry, and using resources and skills from other sectors to develop courses and qualifications, we can make roofing look more attractive to the younger generation.

This was echoed in Phillip's comments, as he added: "It's important the IoR needs to be the independent educational

Other trade associations in our sector are specialist, and specific to one roofing discipline - but the IoR offers that rounded offering.

certified and peer-reviewed. At Axter, we are always focused on building training and development pathways for our staff, whether this be new recruits or established members of the team.

"By undertaking the IoR's Associate Course, our teams will have a wider view and understanding of the industry. It covers all roofing disciplines and principles, and the knowledge gained on this course will be invaluable for our staff."

authority on roofing, and should be supported by all manufacturers, contractors, and other construction trade associations.

"It is by far the best positioned professional body in our industry. Other trade associations in our sector are specialist, and specific to one roofing discipline - but the IoR offers that rounded offering.

"The IoR is such a relevant organisation and important for our sector – so let's support it." ■

DRYSEAL®
DEPENDABLE. DURABLE. GUARANTEED.

Hambleside Danelaw
Building Products

CHOOSE DURABILITY Choose Dryseal

Get a versatile solution for new build or refurb projects.

Hambleside Danelaw's Dryseal is a single ply roofing system, suitable for low pitched and flat roofing, comprising of pre-cured GRP components. It is far more versatile and durable than many commonly used 'wet lay' systems.

hambleside-danelaw.co.uk



FLAT ROOFING



ADESO

THE MOST INNOVATIVE BITUMEN
WATERPROOFING SOLUTION IN THE INDUSTRY.



100% SAFE
APPLICATION



EASY TO
APPLY



SECURE AND
PERFECT OVERLAPS



ENVIRONMENTALLY
FRIENDLY



WATERPROOFING

ADESO. The original, the first of its kind. The most reliable self-adhesive bitumen membrane provides the ultimate in waterproofing combined with total stability. It's all down to the dual APP or SBS compound and a highly self-adhesive blend on the underside. And between them lies the reinforcing carrier. So say goodbye to the torch and hello to superior performance and all the advantages this membrane offers!



POLYGLASS® Q
MAPEI GROUP

f t y i n
0121 508 6970 | mapei.co.uk



PMMA Liquid Waterproofing: What You Need to Know

Gary Hemmings, managing director of WestWood Liquid Technologies, explains the key benefits of specifying and installing PMMA systems, and the applications they are best suited to.

First developed in 1928 by chemists' William Chalmers, Otto Rohm and Walter Bauer, PMMA has benefitted the construction industry for decades. Thanks to ongoing research, development and investment, it is also a technology that has continuously evolved; making it a highly versatile, safe and durable solution for applications including flat roofs, car parks, balconies, as well as a multitude of other options.

Installation Benefits

PMMA-based systems, which are solvent free and cold applied, tend to have a minimum of two components. The first being the resin and the second being a catalyst or activator. Contractors will mix the components together on site, starting a exothermic reaction to initiate the curing process.

A key advantage of using a PMMA system is that it does not require an open flame to install on site. This is a huge health and safety benefit for both the contractor, client and end user, and useful for any projects that prohibit the use of a flame on site.

The PMMA systems offered by WestWood, much like other manufacturers, provide a polyester reinforcing fleece which is first saturated within the waterproofing layer, and bonds the membrane to the substrate as it is applied in its wet state. The surface layer is then applied onto the embedment coat whilst still wet – therefore forming a single, seamless membrane of uniform thickness.

One of the reasons why PMMA is so successful is that it can rapidly cure. The liquid membrane can be

cured in as little as 15- 20 minutes even at sub-zero temperatures. With variable amounts of catalyst added to the resin, the curing times can be controlled on site to suit the requirements of the installation team.

PMMA is an ideal solution for UK working due to the variable British weather. Certain systems for example can be applied in temperatures down to -15°C, meaning you don't need to delay application if weather conditions worsen.



Safe and Solvent Free

A key advantage of using a PMMA system is that it does not require an open flame to install on site. This is a huge health and safety benefit for both the contractor, client and end user, and useful for any projects that prohibit the use of a flame on site. To date, there has not been any incidents of fire recorded globally on a roof due to PMMA being installed.

As with any construction site work, there are always risks



Fire Classification of Bonded Insulation Materials

A ROCKWOOL Technical Bulletin

Introducing the new Technical Bulletin from ROCKWOOL, designed to support compliance for bonded construction materials and composite products.

'Fire Classification of Bonded Insulation Materials' covers and clarifies:

- Application-specific details of the 2018 ban on combustible materials
- Euroclass reaction-to-fire classifications
- Fire implications for bonded insulation materials and composite products
- Best practice for ensuring fire safety in critical areas of building construction



Download the Technical Bulletin:



rockwool.com/uk/UB34



rockwool.com/uk

associated with building. At WestWood, our protocol is not to sell product to any contractor that hasn't undertaken our mandatory contractor training. This is paramount to not only ensure the safe installation of our PMMA systems, but to guarantee a durable and robust solution for the customer.

Overcoming Construction Challenges

PMMA is durable, flexible, hard wearing, and ideal for waterproofing projects where access to site is very limited and work must be completed extremely quickly. This includes roofs, car parks, communal walkways, and stairways; as well as balconies on occupied housing blocks, where having the building empty or restricting access to homes for long periods of time is just not an option.

Because of its solvent free qualities, PMMA is also suitable for environments such as healthcare, education and food and drink, as it offers minimal disruption.

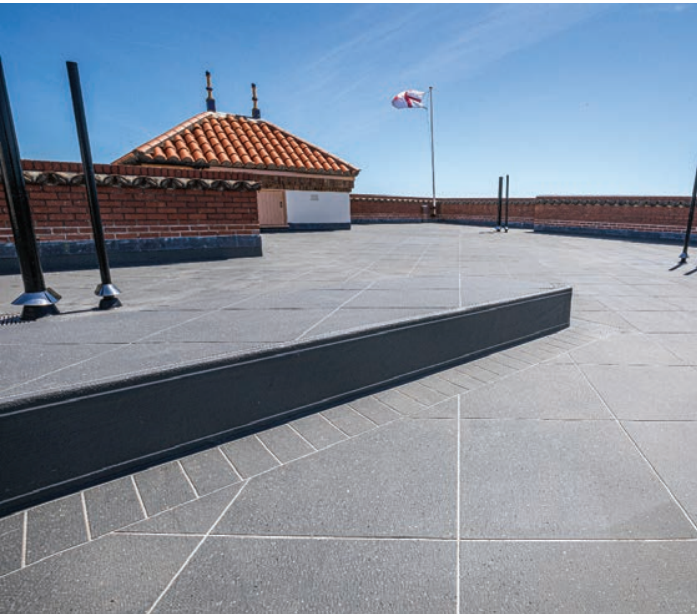
Another key benefit of using a PMMA system is the superior aesthetic finish that can be achieved thanks to a wide range of colour options and full design flexibility. The system can be matched to any RAL colour and a variety of special finishes, including tile effects, which can be achieved to meet specific



Quality PMMA systems specified by a trusted and accredited manufacturer, will offer a durable, UV-stable, quick, easy, and sound waterproofing solution.

design requirements. As the cured system is UV resistant, aesthetics are maintained as there is no risk of the membrane fading after the installation is complete.

Once installed, the system offers a watertight and durable finish guaranteed for up to 25 years.



Specification Considerations

Quality PMMA systems specified by a trusted and accredited manufacturer, will offer a durable, UV-stable, quick, easy, and sound waterproofing solution. Liquid waterproofing systems should also have appropriate third-party accreditations such as British Board of Agrément (BBA), European Technical Assessment (ETA) and Factory Mutual (FM) Approval depending on the country of use. Products offered by WestWood for example also offer the highest certification, BroofT4, to external fire exposure, complying with building regulations.

As a company, WestWood ensures the highest standards are continually met for customers. As a global business, we have an extensive research and development (R&D) facility in Germany and state-of-the-art testing centres to continually

review, improve and add to our extensive product range.

We also continually upskill our staff, and we are members of key trade associations such as the Liquid Roofing and Waterproofing Association (LRWA) and the National Federation of Roofing Contractors (NFRC) and the British Parking Association (BPA).

Being a part of such trade associations, which consist of many quality manufacturers offering varying liquid waterproofing technologies, means we can stay ahead of legislative changes and guidance, and continually improve our offering.

Strict membership criteria also means we offer training and technical support to contractors, and being part of an impartial trade organisation can be a useful resource for guidance and advice during specification stages and beyond. |||

Maximum reliability. Minimum fuss.



ORDER ONLINE 24/7.
FIXFAST AT YOUR FINGERTIPS.



You can now get quick quotes and place express orders online 24/7 at [Fixfast.com](https://www.fixfast.com). And with everything organised in a new dedicated 'projects' area, it's never been easier to get the support you need from us. Try **Fixfast.com** today.



The 2023 LRWA Awards Finalists



The Liquid Roofing and Waterproofing Association (LRWA) Awards return on 22 March 2023 to recognise the workmanship, quality, and technical excellence in the sector.

Shortlisted by an independent judging panel, a total of 20 projects have made the final, spread across 4 categories:

- Liquid Roofing Project of the Year under 1,000 sq. m,

- Liquid Roofing Project of the Year over 1,000 sq. m,
- Liquid Roofing Project of the Year in a Buried Application,
- Liquid Waterproofing Project of the Year.

Judges selected the finalists based on strict criteria; including project complexity, standard of workmanship, evidence of problem solving,

and aesthetics. Each of the projects were judged blind, as the names of the contractor and manufacturer in each entry were omitted prior to judging. As well as a winner for each project category, there will, for the first time, be a highly commended award.

Held at the Titanic Hotel in Liverpool, and backed by headline sponsor, Proteus Waterproofing, the event will also recognise the

talents of individuals working in liquid roofing and waterproofing. There will be awards for Trainer of the Year and Student of the Year, plus a Special Recognition Award for one individual's outstanding contribution to roofing.

Ahead of the sell-out event, Roofing Today takes a deeper look at the projects which have made the final.

Celebrating Industry Talent

There are three finalists in the Trainer of the Year category.

Each one has been nominated because of their knowledge, enthusiasm and proactive attitude.

The Trainer of the Year award also recognises the nominees' commitment to helping the LRWA develop and deliver specialist training for the sector.

The finalists are:

- Graham Hindes, WestWood Liquid Technologies
- George Smith, Kingspan Insulation
- Adam Grebby, Axter

The **Trainer of the Year** will be crowned at the gala dinner, as well as the **Student of the Year** (sponsored by Sika) and the winner of the **Special Contribution** award.

Liquid Roofing Project of the Year under 1000 sq. m (sponsored by Instar)



Netherdale Stand: Kemper System and Concrete Repairs

This Category A listed football stand is an early example of shuttered concrete being used to create a gravity-defying cantilevered canopy.

A cold-applied polyurethane liquid membrane was chosen to provide a durable solution for essential repair works, which formed part of a £1.45m revamp to protect the stand's much-loved heritage.

With several verticals forming part of the structure's unusual concrete design, this was a complex installation for the contractors, made more challenging by restricted site access.

The project also saw the contractors demolish and rebuild brick walls, install new glazing and ventilation, and refurbish the turnstiles.



Radio City Tower, Liverpool: Proteus Waterproofing and Orb Rope Access

This Grade II listed tower is one of the UK's tallest free-standing buildings. The tower is frequently used for charity abseiling events, and over the last 20 years, ropes had significantly damaged the original waterproofing.

Specialist operatives were deployed to deliver this highly complex project, which saw a polyurethane cold-applied liquid installed at extreme heights.

The installation of the waterproofing was made more challenging because of the unique design requirements. To protect the insulation, a timber upstand ring was designed, made at roof level, and installed to the top of the rood edge detail. The tower's height presented further challenges, with contractors having to contend with severe weather conditions, including strong winds which caused the structure to naturally sway.

Liquid Roofing Project of the Year under 1000 sq. m (sponsored by Instar)



Winslade House: WestWood Liquid Technologies and Progressive Coatings

This multi-use development contains office space, conference facilities and a restaurant. As part of a redevelopment, two large roof terraces were leaking and required renovation.

Restricted access meant that approximately 40 tonnes of material, including stone chippings, had to be removed by hand via a waste chute.

A PMMA liquid-applied membrane, including a tapered insulation scheme, was selected to provide a warm roof. The waterproofing was installed with a tile effect finish ensuring an aesthetic, trafficable surface.

Surrounded by a sloping back and an access road that was in constant use, the site's location presented many logistical challenges. The offices were also occupied throughout the refurbishment, requiring permanent noise restrictions.



Walter Halls Primary School: Triflex, and NRA Roofing and Flooring Services

This uniquely shaped school building features 16 sides set into a hillside. A wooden deck had been installed to create a rooftop play area, but extensive leaking meant it was no longer usable.

A PMMA liquid-applied membrane with a warm roof build-up was specified, including a tapered insulation scheme. This was designed to ensure the correct falls, improve drainage and provide a safe surface for pedestrians.

The waterproofing system was also installed around new UVPC rooflights and small detailing around the balustrade fixings.

Where the building fits into the hillside, the soil was excavated past the roof deck level. The installation of the liquid-applied membrane continued over the tanking onto the concrete retaining wall to fully seal the detail.



Princes Street, Edinburgh: Moy, and Roof Linings and Cladding

Located in the centre of one of Edinburgh's busiest streets, this project involved the refurbishment of an existing roof and transformation into a balcony.

A polyurethane liquid-applied membrane was used for waterproofing the category B listed building's roof area, including around a new balustrade, which required careful planning with a specialist contractor.

A bespoke detail was designed to enable the balustrade to be installed without damaging the waterproofing and a skid-inhibiting finish was also applied to provide a safe and aesthetic appearance.

Liquid Roofing Project of the Year over 1000 sq. m (sponsored by Ravago)



The Main Stand, Cheltenham Racecourse: Makers Construction and Polyroof

This unique, cantilevered concrete barrel roof had visible signs of water ingress, which had begun to corrode the steel and leak into the buildings below.

A polyester liquid-applied membrane was chosen to rectify the issues. This required a skilled installation made more challenging by the roof's location, height, and occupied conference facilities below.

A total of 65 barrelled roof sections required the contractor to work very methodically which also made detailing extremely difficult. Operatives had to lie down flat to coat the gutter bases and a special detail was designed for each expansion joint to ensure continuous waterproofing.

Contractors also had to apply the waterproofing around an intricate area of steel work detailing that cameras sit on, whilst contending with large amounts of thick armoured cabling.



GSK Maidenhead: Sika and Mitie Roofing

This factory roof was suffering from water ingress and had to be repaired without disrupting the client's operations.

A large amount of plant meant the roof was heavily trafficked. To ensure a durable solution, two layers of plywood were installed over the aluminium decking and mechanically fixed before installing a polyurethane liquid-applied membrane.

Areas below the plant equipment, which could not be removed to avoid disruption, also had to be waterproofed. Some of these areas were only 300mm below the underside of the machinery making them very difficult to access.

A further challenge was that the roof's location meant that it was not possible to erect a temporary scaffold. The contractors completed the works in sections, applying night seals to ensure it remained watertight.



Hays Galleria: Proteus Waterproofing and Millane Contract Services

Positioned on the doorstep of London Bridge, this Grade II listed development is home to offices, restaurants, shops and luxury apartments. It features two, opposite-facing buildings connected by a large, elaborate, glass atrium.

To preserve its heritage, the client required a preventative maintenance programme, extending the lifespan of the zinc roof sheets and metal box gutters serving the atrium. A polyurethane liquid-applied membrane with a low odour was selected for the project, allowing all properties to remain open and occupied during the works.

As well as overcoming logistical challenges, protective netting systems had to be designed and installed plus scaffolding and access towers.



Host Helix Student Accommodation: Polyroof and Tower Asphalt

This curved and pitched building was used as student accommodation before closing for refurbishment. Water had begun to leak, exacerbated by the building's winding curves, guttering and vast amount of plant on the roof.

A flexible, polyester liquid-applied membrane was selected to waterproof the complex roof and matched to the University's colours.

The perimeter detail was encapsulated with the new waterproofing system requiring fire-retardant cement particle boards to be fixed to the internal and top faces of the external parapet walls.

The curvature of the building complicated the process meaning the contractor had to carefully cut the trims to size prior to fixing to ensure they followed the structure's profile. New internal curved gutter channels were also created at the interface between the building and roof.



Kings Court: WestWood Liquid Technologies and Protec Roofing

This Grade II listed building is located in the heart of Bath city centre in a conservation area. As part of a top floor refurbishment, new waterproofing was required for the main roof, plant room roof, and higher-level terrace areas.

A PMMA liquid-applied membrane was chosen for the project, which presented many logistical challenges. Restricted site access meant all products, including glazed roof lights, had to be craned onto the roof.

Prior to installing the waterproofing, stone chippings had to be removed as well as considerable amounts of detritus and organic matter. An extensive amount of leadwork around most of the main roof, plant room roof and terrace areas also needed to be lifted, replaced or snipped and re-welded.

Liquid Roofing Project of the Year in a Buried Application (sponsored by QI)



Amazon, Swindon: IKO and Briggs Amasco

This new £400 million warehouse and distribution centre spans the equivalent of six-and-a-half football pitches. The building's 4,700 square metre roof demanded a waterproofing system that could accommodate a large amount of plant, provide an excellent drainage system and meet u-value requirements.

A hot melt system was specified for the project which had to be completed within just six weeks to protect interior works and keep the business on track for a pre-Christmas opening.

The extensive plant had to be lifted onto the roof of the four-storey building using several large cranes. Approximately 400 tonnes of ballast were dug at the foot of the building to span pipework trenches.

With such a large roof area to cover, the contractors worked out of hours to make sure the waterproofing was completed on time.



Great Western Hospital: IKO and Central Roofing South Wales

This hospital extension provided a new urgent treatment centre and demanded a robust waterproofing system that could be quickly installed.

A hot melt roofing system was specified for complicated detailing around the plant area and to provide a watertight finish around restricted areas.

The project was made more challenging by restricted site access and the need to take extra health and safety precautions.

Despite the challenges, contractors were able to complete the installation swiftly, enabling the centre to open its doors within just three months.



Le Clos Maurant Social Housing: Triflex and Rateavon Jersey

Located in Jersey, this new build social housing development comprises of 151 apartments spread across four blocks.

A PMMA liquid-applied membrane was chosen as the waterproofing system for the entire scheme and installed across multiple areas, including warm flat roofs, balconies, podiums, stairways, entrance canopies, planters, tank rooms and storage areas.

The site's location on an island and close to the sea, meant the contractors had to contend with challenging logistical issues and changeable weather.

Stringent planning and a robust supply chain avoided any shipping delays, ensuring the waterproofing system was delivered on time and the project completed successfully.



Porteus Place: Proteus Waterproofing and Millane Contract Services

This residential development was suffering from water ingress into the luxury apartments below. The existing green roof had also deteriorated beyond repair and no longer complied with fire regulations.

A polyurethane liquid-applied waterproofing membrane was chosen as part of a new green roof. Prior to installing the liquid, all existing roof finishes had to be manually removed, including highly saturated insulation board.

Following the removal of glass panelling in a balustrade, the liquid membrane was extended onto 300 metal pitch pockets installed around the balustrade support.

A new irrigation system was introduced requiring a water pump to be installed to provide the correct water pressure. Logistical challenges added to the project's complexity.



Wellington Close: Moy and Plan Construction Solutions

A reinforced bituminous membrane was originally specified for this new development of affordable homes. This was redesigned to allow for curvatures in the substrate resulting in a new inverted system comprising both a hot melt and polyurethane liquid-applied membrane.

Curvatures in the concrete slabs were back filled with a screed to comply with a zero falls deck requirement. The hybrid system was then installed across the roofs and terraces as well as around extensive detailing, including parapets and abutments.

All balconies were screeded to falls and waterproofed with the polyurethane liquid-applied membrane.

Liquid Waterproofing Project of the Year (sponsored by Polyfoam XPS)



Durham Railway Station Walkway: WestWood Liquid Technologies and Everlast Rail

The entrance ramp to this busy railway station was suffering from water ingress into the buildings below.

A PMMA liquid-applied membrane was selected to overlay the existing mastic asphalt providing a trafficable waterproofing solution. It was essential that the installation was carried out quickly to minimise disruption.

Failing stonework was rectified by installing a new powder-coated drip trim, manufactured in a bespoke colour to match the system. A new drip detail was also created to prevent further damage to the sandstone below.

Metal railings, which could not be removed, were waterproofed without the need for mechanical terminations or fixings thanks to the PMMA's self-terminating properties.



Ikea Car Park, Reading: Makers Construction and Triflex

The existing waterproofing system on this multi-storey car park had begun to prematurely fail, which triggered an extensive investigation into the cause.

To rectify the problems identified, the structural topping was removed and treated with a bespoke epoxy primer to fill the voids within the concrete and neutralise any chemicals that could react with the proposed PMMA system.

To address microcracking, which was discovered during the installation, 7,000 square metres of reinforcement was used after the primer had been applied.

The PMMA system was applied to create durable parking bays and drive aisles with pedestrian walkways. Numerous bollards, signs and impact barriers were removed and re-sited, replacing the original mechanical fixings with resin fixings. Thermoplastic line marking was installed, and movement joints were also designed and incorporated.



Middleborough Multi-Storey Car Park: Makers Construction and Triflex

This five-storey reinforced concrete car park had begun to deteriorate. The top deck waterproof coating was debonding and cracking, allowing water to leak into the levels below.

A PMMA liquid-applied system was chosen for the top and lower decks. Shrinkage cracks were rectified with an epoxy primer applied across a 10,500 square metre area. Quartz was cast into the primer base layer and sealed with a coating in the client's chosen colour.

The project, which was carried out while the car park remained open, also required new mapping and marking out to incorporate pedestrian walkways on all levels.

To minimise disruption, the refurbishment was delivered in 11 phases over 42 weeks, and involved the installation of a corrosion protection system. Holes had to be drilled into the deck and more than 5,000 anodes installed.



Rhondda Heritage Park – Terrace Over Mineshaft: Polyroof and RM Polymers

This tourist attraction provides an insight into the coal mining community. The aged asphalt roof terraces that covered the old mine shafts were leaking and spoiling the site's appearance.

A flexible, polyester liquid-applied membrane was selected to address the issue and had to be installed while the tourist attraction remained open. As the roof terraces are used as main walkways, this required stringent planning and for the works to be completed within eight weeks.

The liquid-applied membrane was also used to waterproof the original mining cart tracks, which were fixed using metal bolts and fixings and had become a weak point for water ingress.

To maintain the site's aesthetics, which featured undulating stone and brickwork, the application of the liquid waterproofing system at wall abutments was critical.

The waterproofing was followed by the installation of an anti-slip coating to all walkways.



Tesco Car Park, Chester: WestWood Liquid Technologies and Mulberry GBC

The existing asphalt was failing throughout this 6,600 sq. metre car park. The concrete topping was riddled with surface voids and if left untreated, these would have resulted in pin holes throughout the finished system.

To strengthen the substrate, a deep penetrating pre-primer was installed, and to rectify cracking, more than 5,000 linear metres of banding was needed before the fully reinforced PMMA system was applied.

Expansion joints were introduced to the top deck, and to overcome large areas of ponding water and poor drainage, new symphonic outlets were also installed.

The work was carried out while the store remained open to shoppers and visitors to Chester City Centre.

GREAT WITH SLATE

TILE WITH STYLE

**BRE tested
to PD CEN/TR
15601
Test B & D**

NEW HERITAGE VALLEY

The unique, dry-fix, invisible valley trough, for a heritage aesthetic that's cost-effective and simple to achieve!

- Unique S-profile design
- No valley roof tile required
- No special eaves closures required
- Far less tile-and-a-half or slate-and-a-half required
- BRE weather resistance tested

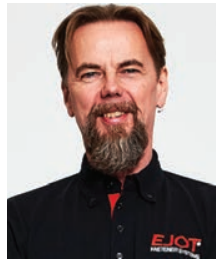
www.filon.co.uk

Telephone 01543 687300 Email: sales@filon.co.uk

FILON®

Thirty Years of Fastening System Development

Thirty years after it was launched, the EJOT Colorfast self-drilling roofing and cladding fastener range has become a recognised 'goto' choice for many contractors and installers working on projects where panels and fastener heads need to be colour matched. But how has data and empirical feedback helped develop the fastening system over the years to get to its current third generation version? Simon Pearson, now operations manager at EJOT UK, has seen the product's entire evolution. He explains more here.



It is over 30 years since EJOT brought the Colorfast self-drilling brand to the UK market. Providing a solution for roofing and cladding panels where fastener heads had to be colour matched, it launched with the dual aim of giving installers a product that was easy to use and specifiers a fastener that would provide dependable performance.

Combining its experience in manufacturing industrial and construction fasteners, EJOT Group technicians in Germany had perfected a process for over-moulding a nylon head onto high-quality carbon or stainless-steel screws. These were typically for white goods and automotive assemblies, as well as some very specific 'on demand' applications for emerging construction markets serviced by regional EJOT subsidiaries across Europe. In the UK, we felt that we could adopt the principle and apply it to market-wide applications for the roofing and cladding industry; some may say a visionary path to take.

The key was the design of the head, engineered to maximise structural integrity and performance through uniform compression of the washer. At the same time, the concept of over-moulding challenged the convention that colour matching could only be done by painting, powder coating or using cover caps. As all of these options came with compromises, we believed that over-moulding presented a more holistic solution that could be developed long term. The



Originally available in less than 50 British Standard colours back in the 1990s, EJOT's Colorfast palette has now expanded nearly tenfold.

concept was tested, approved, and the Colorfast brand was registered.

50 Shades

Initially the Colorfast range offered around 50 colours aligned with RAL and British Steel swatches. This palette was considered to be extensive at the time and ranged from the expected plethora of greys through to lesser used options such as 'Petra Red', 'Terracotta' and 'Solent Blue'. There was even the exotically named 'Eau De Nil' or 'water of the Nile'. By contrast, today there are nearly 400 colours available.

With a head moulded over the fastener's flanged, metal hexagon, Colorfast allows for a bi-hex torque to transmit directly for a positive and secure driving process. This design principle changed installation options forever, giving installers an easy way to achieve a dependable seal



at the head, maximising corrosion resistance above the line of the roofing sheet.

The design was a game-changer in that it drastically reduced the risk of over-driving when in tandem with the correct installation tool. This was achieved through various innovations in drill point design combined with the bi-hex drive - both allied to application-specific thread geometries requiring allotted drive speed and torque. These remain the key ingredients for a range of fasteners that aims to optimise installation and product-life performance.

Real-life Data Feeds Improvement

The Colorfast range grew to include fasteners manufactured in carbon and stainless steel for every kind of environment. The fact that it has stood the test of time and remains an industry standard is largely due to the fact

that EJOT continues to develop the product - which is now on its third generation.

To put that into perspective, it means that EJOT has a wealth of performance data and empirical evidence to support its performance standards. This applies to colour stability, corrosion resistance and building-life performance. EJOT's continuous improvement ethos is achieved through regular recalibration and testing. This is a prerequisite for any manufacturer to stay compliant with environmental legislation, both in the UK and internationally, which is regularly reviewed and updated.

Given that the permitted chemical composition of coloured plastics is constantly changing, regular updates are needed to the material used for Colorfast heads, which in turn has the potential to impact the UV stability of all 382 colour combinations required to harmonise with the recognised

Some innovations have been with us for so long now...



it's easy to forget just how clever they really are!

1993. Motorola's 3200 was hailed as the world's first true 'digital' mobile phone. And the iconic Nokia 1011 could even store up to 99 numbers - way more than the average Filofax! Around the same time, the equally clever people at EJOT were using over-moulding technology - borrowed from its automotive division - to create a self-drilling fastener range that not only provided a new way to colour match the ever-growing choice of roofing and cladding panels, but also promised to deliver building-life performance and a revolutionary installation process. Interesting stuff then? Could even be worth making a note on your phone!



Bringing it together.

Visit ejot.co.uk Email sales@ejot.co.uk
Customer Service 01977 687 040

■ colour matching systems, such as BS, RAL, NCS and Pantone.

From a specifier or contractor's perspective, choosing products with a known pedigree gives greater control and reduces risk, which is particularly important for fasteners given their role in creating weather-resistant, airtight, and visually appealing buildings with future-proofed performance.

How can installers get the most from Colorfast?

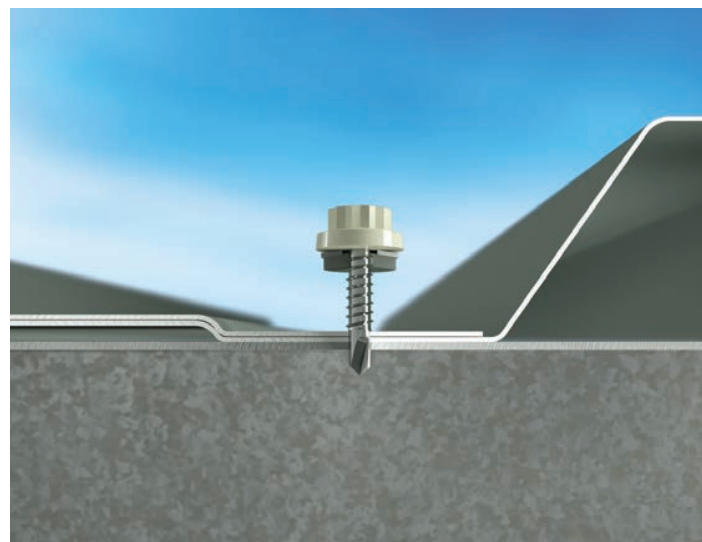
From an installer's perspective, the over-moulded nylon head of Colorfast has several additional advantages. Key to these is being able to use a self-drilling screw in a straightforward way using a universal 11mm bi-hex drive tool, which can be used across all OEM ranges. This, coupled with the fastener's design, complete with its sealing washer, offers a simple way to achieve a consistent and high quality installation, particularly with the support of EJOT UK's best practice guidance.

This is an area that EJOT continues to focus on, because we believe making a few small changes to the installation approach can make a huge difference to the quality of the finished building envelope. Well-designed self-drilling fasteners – whether Colorfast or not – enable installers to work efficiently and deliver a roof or façade that meets the architect's performance

With a head moulded over the fastener's flanged, metal hexagon, Colorfast allows for a bi-hex torque to transmit directly for a positive and secure driving process. This design principle changed installation options forever.

specification. But to get the best possible results, they have to be installed using the correct type of screw gun, delivering the right torque, with a nosepiece set for precision. This is the best way to prevent over or under tightening, both of which can lead to problems with the finished envelope and costly consequences for contractors.

Regular checking of the installed fasteners will also maintain standards. This is relatively easy to do if planned into the project at suitable intervals without creating delays or disruption to the installation team. EJOT's recommendation is to complete the checks using a seal testing kit when using Colorfast and any



EJOT UK's concept to introduce bi-hex torque lead directly to a positive and secure driving process. It was a design that changed installation techniques for ever, giving installers an easy way to achieve a dependable seal at the head, thread and sheet.

other type of self-drilling screws. This uses suction to test the airtightness of the installed screw – it is simple to use, quick and effective at picking up any mistakes.

Another important benefit with Colorfast comes with maintaining an exact colour match. As with any update, colour palette references can potentially be impacted when for example, panel and profile manufacturers overhaul their own processes. For this reason, EJOT's quality team work alongside OEMs to cross-reference historic colour references. This collaboration helps to establish if a match has historically been made and more importantly, when. If recorded

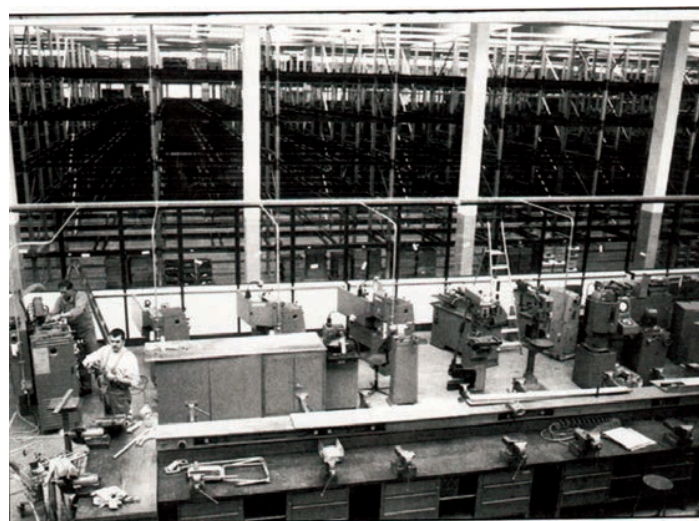
data does not yield a match, then panel samples are sent to colour specialists to be precisely matched.

Now, with 30 years of Colorfast being used in building projects across the UK and worldwide, and an estimated 640 million screws sold – including 26 million in 2022 alone to UK and international export markets, the popularity of this mainstay seems stronger than ever. Already in 2023 this has meant further investment into the development of inhouse machine tooling and significantly, the arrival of new injection moulding equipment. ■

To find out more about EJOT Colorfast and best practice for using self-drilling screws in roofing and cladding more generally visit www.ejot.co.uk.



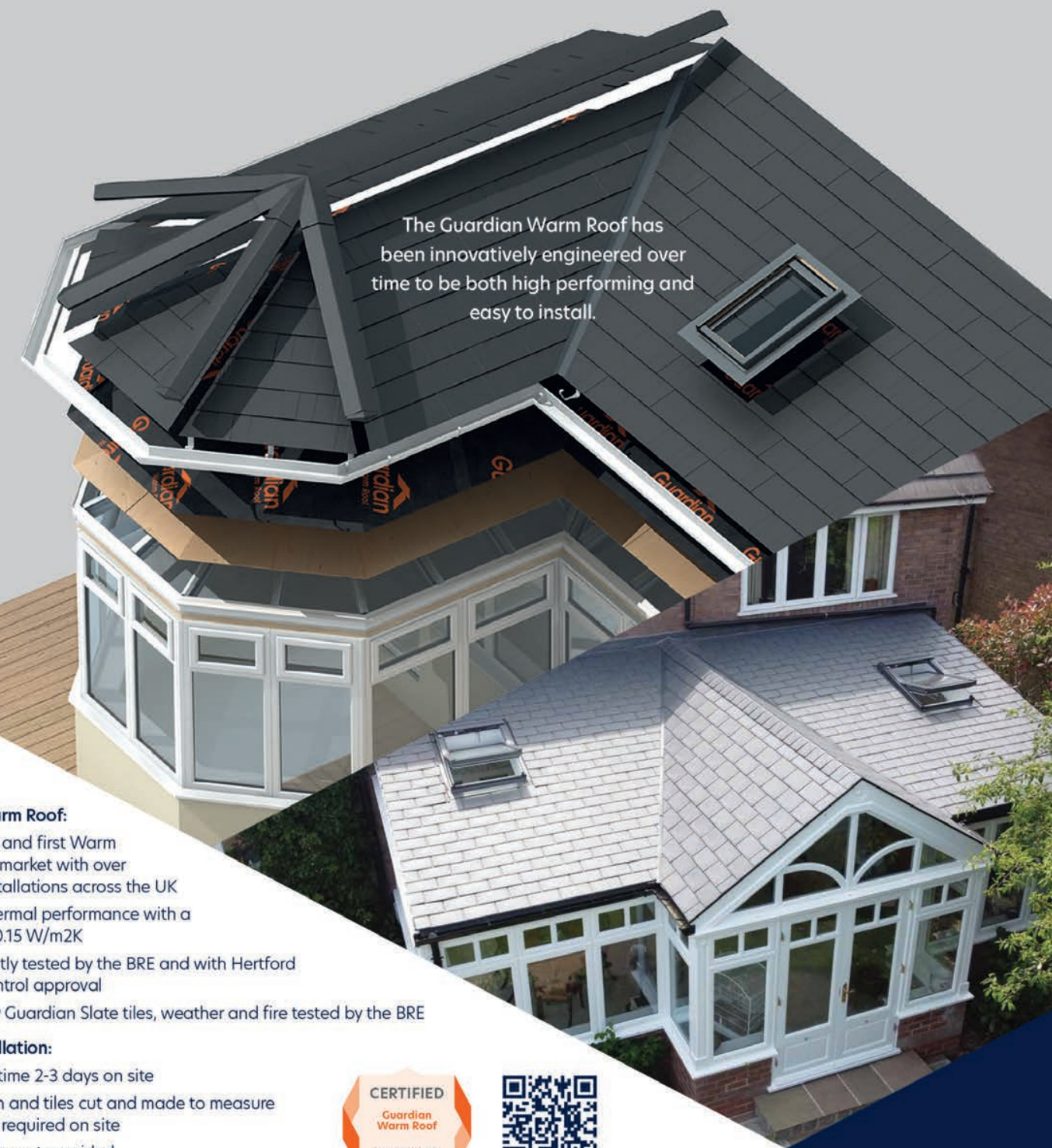
Before EJOT UK consolidated Colorfast into one industry-wide range, the EJOT Group were using over-moulding technology derived from its engineering products to satisfy regional demand for construction screws.



Guardian
Warm Roof

The Original Warm Roof

It's time to give your customers what they need, a solid roof with excellent thermal performance.



The Guardian Warm Roof has been innovatively engineered over time to be both high performing and easy to install.

Guardian Warm Roof:

- The original and first Warm Roof on the market with over 100,000 installations across the UK
- Excellent thermal performance with a U-Value of 0.15 W/m2K
- Independently tested by the BRE and with Hertford Building Control approval
- High quality Guardian Slate tiles, weather and fire tested by the BRE

Ease of Installation:

- Installation time 2-3 days on site
- All insulation and tiles cut and made to measure – no cutting required on site
- Technical support provided
- LABC partner scheme for ease of building control approval – available to Certified Installers only



To find out more about becoming a certified installer visit our website or scan the QR code

For more information please email customerservices@guardianbuildingsystems.co.uk or call 0800 0665832

Guardian
Building Systems

www.guardianbuildingsystems.co.uk

Gutter Refurbishment and Repair

Here we take a look at some of the most common reasons gutters fail and explore the range of options for their refurbishment and repair.

There are many reasons why gutters fail. These can include corrosion resulting from exposure to severe weather conditions, whether sub-zero temperatures or the effects of UV light and heat exposure. As we see the impacts of climate change begin to take hold, we might expect the number of these incidences to increase and become more severe.

Naturally occurring structural movement can also cause gutter failure and movement from the freeze/thaw cycle, particularly where there is sitting water from blocked or ineffective drainage, is another problem. Lastly, damage from the installation of rooftop plant or roof access such as during maintenance can hasten the failure of gutters.

However, replacing gutters can be a difficult and expensive option. Often, gutters are integral to the roof construction and replacing them might involve disturbing considerable portions of the structure. For industrial roofs, replacing the roof of an occupied building can incur six-figure sums in moving inventory or lost trading time while work takes place. It means that often, the only cost-effective solution for owners, specifiers and contractors is to refurbish gutters and the market is responding to this with

a widening choice of gutter lining systems on offer.

When it comes to gutter liner solutions, there is a wide range to choose from. Foremost there are single skin, insulated and composite liners. Furthermore, liquid-applied systems will form a continuous membrane around even the most intricate detailing. However, the adherence of liquid systems depends on a completely clean, debris and grease-free surface to attain a secure and complete bond. Fibre reinforcement can be applied to strengthen the composite and bond, but a lot depends on the training and skills of the installer.

Range of Solutions

Other solutions include rubber liners which can come as a pre-formed, seamless membrane that can be fitted quickly or in sections which are fully welded together – a more practical solution for long gutter lengths. The thickness of the membrane will be crucial to its durability and expected lifespan.

Thermal performance of the liner is an important consideration, as the substrate controls the expansion of the membrane once installed. This is a particularly significant consideration for metal substrates where the co-efficiency of thermal expansion is less than



Often, the only cost-effective solution for owners, specifiers and contractors is to refurbish gutters, and the market is responding to this with a widening choice of gutter lining systems on offer.

that of the membrane, potentially dis-locating push-in outlets and causing other issues.

A number of considerations will need to be taken into account to arrive at the correct choice. Number one is often budget, but other factors will be the type of gutter and failure. Historically, the gutter's joints are the weakest point where the greatest number of failures are seen, but when designed and installed correctly modern gutter liners should overcome these types of failures.

If failure is as a result of inadequate drainage, this needs to be addressed for a repair to have sufficient longevity. It might be

that more drainage points can be contrived or if the roof is being overhauled greater falls can be introduced. However, drainage re-design will usually require a complete re-roof.

The condition of the gutter surface is another factor affecting the practicality of repair and refurbishment. It might be that the installation of a replacement substrate will be the most cost-effective solution. These are often offered with a coated option, in effect with a liner pre-installed.

It's not uncommon to secure a 25-year guarantee on gutter lined repair work, but this is usually conditional on an inspection and maintenance regime being adhered to.

Whatever gutter repair or refurbishment solution you opt for, the starting place is normally a survey from a specialist. No two gutter problems are the same and manufacturers and contractors have the experience and technical expertise to find the right solution for building owners and clients. ■



Rynna-line
Refurbishment Gutter Solution

Making Industrial Gutters Since 1945

The Refurbishment Gutter Solution

- ✓ Roof Drainage Calculations
- ✓ Contractor Training & Development
- ✓ Project Management
- ✓ Site Surveys

- ✓ 25 Year Product Warranty
- ✓ Factory Mutual Approval
- ✓ BBA Approved Membranes

CGL
SYSTEMS

All Enquiries:
E: sales@cglsystems.co.uk

Snickers Workwear's New Stretch Trousers Work as Hard as You Do

Snickers Workwear's new stretch trousers are made from the long-lasting, innovative Sorona performance fabric and CORDURA for long-lasting comfort, functionality and sustainability. It's the innovative design and sustainable fabric technology in the newest work trousers for men and women from Snickers Workwear that really sets them apart from other brands. Delivering comfort and safety features when they're needed most, these slim-fit trousers are Class 1 and Class 2 certified and made from innovative Sorona sustainable performance fibre. They also come with the patented KneeGuard system and CORDURA reinforcement in the knees and pockets.



Sorona delivers both environmental benefits and long-lasting performance. This recyclable, bio-based fibre offers exceptional softness and stretchability for maximum comfort as well as excellent durability to help extend the lifetime of a garment. It's also quick-drying, breathable and soft to the touch for optimal performance that will last through wash after wash, retaining shape, comfort and protection levels throughout the life of the garments.

Makita Releases its Largest Cooler & Warmer Box

Suitable for both work and leisure, the new Makita Cooler & Warmer Box CW002G is a great addition to professionals' XGT or LXT cordless collection.



Keep food and drinks at the perfect temperature with the 50-litre CW002G. This product has 2 battery ports for either 40V XGT or 18V LXT batteries, providing long run times. Alternatively, it can be powered via an in-vehicle 12v / 24v DC power supply, or via mains power supply with a 240v AC adaptor. It also benefits from 14 inside temperature settings, ranging from -18°C to 60°C. When paired with 2x 5.0Ah XGT batteries, it can operate for 10 hours at -18°C, 24.5 hours at 5°C, and 6 hours at 60°C (runtimes shown are based on a pre-cooled box – runtimes will be reduced if cooling from room temperature.) Durable with an IPX4 rating, the CW002G features 100mm wheels, a pull handle, side grips, and an LED display to allow users to easily change the settings. Kevin Brannigan, Marketing Manager at Makita UK commented: "The powerful, cordless solution is as durable as it is functional and can run for up to a full day and night. It also comes with a new key feature – a drainage plug that allows the user to easily remove melted ice."

For more information, visit: <https://makitauk.com/>.

IPP Launches New Magply Roofing Brochure

IPP Ltd. has published 'Magply Roofing', a new guide for specifiers aiming to provide consultants and contractors with concise information on the high quality MgO products' benefits and potential uses. The brochure outlines applications including structural decking, multi-purpose sheathing, recovery & protection and as a substrate for bitumen felt liquid waterproofing, and covers Magply's use beneath lead & hard metals, as well as single layer membranes and cappings. With a working temperature of 2400°C, the Magply A1 non-combustible boards can be laid on hot bitumen, PU adhesive or employing mechanical fixings. Magply carries internationally recognised accreditations confirming the board's ability to deliver fire integrity, racking strength, impact resistance and excellent pull-out strength; seeing the product increasingly used for patresses in high-rise housing. To assist designers and site supervisors, the brochure also presents 'Technical buildouts' which use CGI drawings on how to install the board as part of a cold roof deck, warm roof with metal decking, an inverted roof metal deck as well as an upstand & capped standard deck.



New 'Gemello' Twin Skin Roof and Wall System from SIG Building Solutions

SIG Building Solutions has launched a warranted twin skin system called 'Gemello'. Gemello is a self-supporting roof and wall system consisting of a trapezoidal pre-finished steel liner and outer sheet with a Class A1 non-combustible glass fibre insulation in between. This new system is now available for the roofing and cladding of steel framed buildings, and can be tailored to suit the aesthetic, acoustic, thermal, fire and loading requirements of a building. The Gemello external profiles are available in an extensive range of colours, profiles and coatings. In addition, the Gemello system can provide U-values down to 0.12 W/m²K or lower depending on the required performance. The twin skin system also allows for denser materials to be used in its construction, improving acoustic sound reduction and rain noise.



A key feature is the system warranty. The Gemello warranty is flexible, providing warranty periods for 12, 25 or 30 years and covers all the components within the twin skin system and the system itself. SIG Building Solutions also provides a range of accessories for Gemello, including rooflights, gutters, flashings, fascias and cappings. Visit: www.sigbuildingsolutions.co.uk.

Kingspan Unveils New QuadCore Lower Embodied Carbon Range – QuadCore LEC

QuadCore LEC was developed to help reduce the carbon footprint of the buildings it is used on. Using comparative Lifecycle Assessment (LCA) data to the EN15804-A2 standard, this insulated panel technology demonstrates a 41% reduction in embodied carbon in modules A1-A3 (product stage) for QuadCore AWP in a 100mm thickness. The first products in this range will be available in Q1 2023 in the UK and Irish markets. Further reductions in the embodied carbon of the QuadCore LEC range are expected between now and 2030.



Mike Stenson, Head of Innovation for Kingspan Group said: "QuadCore is already one of the highest performing insulation technologies in terms of thermal efficiency (underpinned by a 25-year thermal warranty). This is the first step on our journey to reducing the embodied carbon of our products, and we anticipate some major milestones by 2030 to drive that down even further."

For more information, email quadcore.technology@kingspan.com, visit www.kingspanpanels.co.uk, or call UK: +44 (0) 1352 716100 or IRE: +353 (0) 42 9698 500.

All Hallows Church's Leaking and Damaged Roof Restored Using Soprema's Innovative and Sustainable Thermal Insulation, PAVATEXIL P

Built in the 1970s, the roof of the All Hallows church in Leeds was in need of renovation. The church was experiencing severe water ingress due to the existing tiled roof, which was no longer fit for purpose. The church's relatively low-pitch roof tiles had slipped off over time, were damaged by vandalism, and had been exposed to the elements, leaving the roof leaking and with very poor thermal performance. York-based Native Architects were approached by the church council to help them with their leaking roof. Native Architects were required to design a robust and sustainable roof system that will stand the test of time and ensure the running costs are kept to a minimum. Discover why Native Architects decided to use PAVATEXIL P, a sustainable cotton fibre-based thermal insulation with great acoustic properties for this unique renovation project. Learn more about why PAVATEXIL P, a sustainable and easy to install insulation from Soprema, is favoured by architects and contractors and why it's the next big thing in the construction industry. Visit: <https://www.soprema.co.uk/en/product/insulation/pavatex/natural/pavatextil-p>.



Brett Martin's New Circular Glass Rooflight Offers Eye-Catching Styling and Maximum Daylight



Brett Martin Daylight Systems' new Circular Glass rooflight maximises daylight and exceeds the thermal performance requirements of Building Regulations Approved Document L 2021. With its clean internal appearance and a slimline exterior, it is a cost-effective option that delivers visual impact into any space. The Circular Glass rooflight is available in four standard sizes ranging from 600mm to 1500mm, and bespoke sizes. It can be mounted direct to a builder's upstand, or with a robust prefabricated insulated GRP kerb for both new build and refurbishment applications. The Circular Glass rooflight exceeds on technical performance and aesthetic impact. The unit comprises a double-glazed panel encased in an environmentally-friendly RAL 7016 powder coated aluminium frame. All frames are thermally isolated to minimise the risk of condensation. The Circular Glass rooflight has an overall U-value of between 1.16 and 1.64 W/m²K depending on size and configuration. It benefits from a laminated inner pane and is non-fragile for the safety of those above and below, having been successfully tested to CWCT TN-67 for class 1 roofs and Class B to ACR[M]001. Visit: www.brettmartin.com.

Keylite Frames the View at Luxury Holiday Destination



In the foothills of Brecon Beacons National Park is the five-star self-catering holiday accommodation, Brecon Retreat - three stunning properties featuring twenty Keylite roof windows. Business and property owner, Helen Howarth said: "The views from the barns are really spectacular, so we incorporated the Keylite roof windows to frame the view perfectly in every room. Both the builder, Mathew, and our local builders' merchant, B Jenkins & Sons Ltd, recommended Keylite Roof Windows for their reliability, and the compliance for a statutory building Fire Escape Roof Window. These had to be top-hung and opening to a 45° angle, providing a safe escape route." All Keylite roof windows have an Integrated Expanding Thermal Collar which ensures minimal heat loss and supports the properties' thermal value. As the park is a dark sky reserve, light pollution must be kept to a minimum. To aid this, Helen also installed Keylite blackout blinds for each of the roof windows to block light and reduce heat loss by 20% thanks to the blinds' thermal fabric.

For more information, visit www.keylitteroofwindows.com, call 01283 200 158 or email info@keyliteuk.com.

West Fraser's Panel Products Are Even More Rewarding in 2023



One lucky customer of the Newark branch of Turnbull builders' merchants ended the year with a brand-new Mercedes van, thanks to the West Fraser Rewards promotion. Andrew Kirkham from ATK Plastering Ltd received the van from West Fraser's National Sales Manager, Sanjit Dosanjh in December 2022. Following their popular Rewards promotion last year where participants won prizes including a Lay-Z-spa, a Karcher pressure washer, a Samsung TV and even a brand-new Mercedes van, West Fraser is giving away not one, but two, Mercedes vans in the 2023 promotion. To enter the 2023 promotion, customers spending as little as £25 on SterlingOSB Zero, CaberFloor P5, CaberDek, CaberShieldPlus or CaberMDF at Gibbs and Dandy, Jewson and Travis Perkins can gain entry to the monthly prize draw for a chance to win great prizes. The more you buy, the more chances to win! Participants just need to purchase products and upload a receipt at the West Fraser Rewards website.

A full list of participating merchants and full terms and conditions can be found at <https://www.westfraserrewards.co.uk/>.



Soprema announces the latest addition to our range of waterproofing solutions.

The new DuO Single Layer Aero membrane offers a more sustainable choice for projects. With a TPO topside and SBS Underside, the DuO membranes offer flexibility and ease of installation. In addition, the benefits include:

- 35 year life expectancy
- Single Layer technology
- Cost savings on installation

To learn more about the new range, contact our experts today and let us help you find the right solution for your next project.

www.soprema.co.uk
info@soprema.co.uk or 0330 058 0668



Trousers That Work as Hard as You Do – Only from Snickers Workwear

With as many as 40,000 stitches and up to 64 pieces of fabric in a single pair of Snickers Workwear trousers, it's little wonder they're built to last and the preferred choice of discerning tradesmen and women. Ergonomically designed for maximum comfort, freedom of movement and functionality, there's over 80 different styles and 71 different sizes in the Snickers Workwear trouser system, so you will always find a pair to suit you. The men's and women's trousers range includes full stretch slim fit styles plus street-smart regular and looser fits throughout the full LiteWork, FlexiWork, RUFFwork and AllroundWork trouser families. With at least 16 pocket compartments integral to every pair complemented by a choice of 8 different kneepads, Snickers Workwear knows that your work trousers have to do a lot of things like keep you comfortable, carry your essentials, and protect your knees and legs from debris and hazards in the workplace. So whatever your trade, wherever you're working, and whatever your sustainability preferences are, you can be sure there is a pair of Snickers Workwear trousers to suit you. Visit: www.snickersworkwear.co.uk.



Marley Alutec Replaces Cast Iron System at Sharpham

Marley Alutec's Traditional guttering and Tudor downpipes were recently installed at The Coach House on the Sharpham Estate – a Grade II-listed building located near Totnes, Devon. As the building's original cast iron rainwater system had corroded, the planners decided to replace it with a new aluminium system. The products were specified for their sustainability credentials, durability and traditional aesthetic. Classic Builders Ltd, the company responsible for converting the former stableyard, opted for the Traditional Half Round 125mm gutter, manufactured to the original British Standard cast iron dimensions (BS 8530), along with Tudor 76mm downpipe. Both products were specified in Heritage Black 80% gloss finish to replicate the look of traditional painted cast iron. The Traditional Half Round guttering system has a flow rate of up to 2.5 l/s and 120m² per downpipe. All Marley Alutec products are manufactured from fully recyclable marine-grade aluminium, meaning they are incredibly strong and durable, and have a functional life expectancy of 50+ years. Find out more about Marley Alutec at <https://www.marleyalutec.co.uk/>. For more information on the Coach House, visit: <https://www.sharphamtrust.org/mindfulness-retreats/coach-house>.



Survey Reveals 'Quick Win' Opportunity Through Seal Testing Focus

Virtually no roofing and cladding installers regard self-drilling fastener seal testing as the priority when working on building envelope projects, according to a survey by EJOT UK. It asked installers to rank the importance of four things when installing a roof or façade – (a) choosing high-quality fixings, (b) regularly testing the quality of the seal, (c) picking the right screw gun and (d) using a properly set nosepiece. Regular seal testing was the least important factor by a considerable margin with just 4% of respondents ranking it first, unlike 'choosing high quality fasteners' which was the priority for 55% of installers. The findings support EJOT UK's ongoing work to provide clearer and easier to access best practice and training for the use of self-drilling fasteners. Seal testing is one important stage of the process which can get overlooked and the survey findings indicate that it is still not being given a focus. Brian Mack, Technical Business Development Manager at EJOT UK said: "Not only is seal testing easy to do and low cost, but it is really effective at picking up quality issues that could prove financially and reputationally costly further down the line." Find out more at www.ejot.co.uk.



Garland UK Report Reveals Outlook of the Commercial Roofing Industry

Garland UK has published its first benchmarking report, 'A View From The Top: Commercial Roofing Report 2023', revealing the challenges commercial landlords and estates teams face with their roofing assets and sharing expert advice, strategies and considerations to overcome them. The report shares insights from chartered surveyors, sustainability consultants and industry associations, discussing topics such as roof retrofit works, EPC updates, carbon reduction strategies, future-proofing assets and how to mitigate risk on roof projects.

The UK roofing industry market value is expected to reach £4.7bn in 2023. Since 2015, the demand for flat roof systems has been the most significant influence on the market, accounting for 42% of total sales in 2020. Despite challenges such as the cost of living crisis and inflation, the outlook for 2023 is that the industry remains resilient - many opportunities are highlighted by the report experts, indicating where estate teams and commercial landlords can quickly realise the benefits. The report also looks into the importance of investigative works which, when carried out at the earliest stages of a roofing project, can reap significant savings. Download the report here: <https://online.flippingbook.com/view/727665727/>



Exciting Times at Whitesales

Exciting things are happening at Whitesales incorporating Lareine, with a new marketing communications manager joining the team to help boost the company's profile in 2023. Alex Gallop is experienced in construction marketing, having worked previously at both aluminium systems company AluK and ventilation specialists Nuaire. Her specialisms are branding and campaigns, so the market can expect to see Whitesales making a big impression this year – online, in print and face to face at events including the 2023 FIT Show. Alex is also a trained journalist and is promising customers lots of new content and communications tools to help them get to know Whitesales better and access more of the support services available. She said: "I love all aspects of construction marketing, but my favourite thing is getting to know customers and helping them make the most of the products and services on offer. The feedback at Whitesales is that existing customers already love what we provide here – my role will be to shout about that a lot more, especially the new product developments which are on their way – and help us win new business from buyers who don't already know how good we are. I've had a really warm welcome from the supportive and friendly Whitesales team and it's especially good to be working with Marketing Director Sioned Roberts again." Visit: <https://www.whitesales.co.uk/>.



Push the Limits with Makita

Makita has added more products to its XGT collection, including a 40VMax Brushless Mixer and Brushless Impact Driver. The 40VMax UT001G XGT Brushless Mixer features a 220mm diameter blade with M8 thread. The UT001G is equipped with Soft Start as a safety feature which minimises load from the rotation being transferred to the operator and reduces the risk of materials being thrown up when mixing. It also benefits from a two-speed mechanical gearbox to offer 0-500rpm in low-speed mode for mixing high viscous materials like concrete, and 0-920rpm in high-speed mode for mixing medium viscous materials such as mortar, plaster and paint. For additional comfort, the UT001G has a double D-shaped handle with ergonomic soft grip. The machine has an M12 fitting and comes supplied with an M14 adaptor, allowing a wider range of mixing blades to be fitted. The 40VMax TD003G XGT Brushless Impact Driver is Makita's most powerful yet, delivering 4,100 Impacts per minute, 210Nm Max Fastening Torque and a no-load speed of 3,700rpm. With 4-speed settings, the TD003G is packed with safety features, including constant speed control for consistent, smooth operation, an anti-restart function to minimise start up shock, overload protection, and an electric break. Visit: www.makita.co.uk.



Let There Be (Even More) Light with the New 2in1 Roof Windows from VELUX



Roof window manufacturer VELUX is launching a new 2in1 roof window available in three variants from March 2023. With the launch, VELUX is further improving its efforts in providing stunning daylight transformations through bigger roof windows that are more affordable and easier to install. With 60% of homeowners viewing natural light as the most important attribute in their home, the 2in1 roof window will be a great fit for homeowners. Besides the manual operated 2in1 roof window, VELUX offers a top-hung variant with an even wider panoramic view and an electric, solar powered variant for extra convenience. All 2in1 roof windows are compatible with a wide variety of VELUX heat protection products and light regulation blinds.

Alex O'Dell, VELUX Senior Market Director for Great Britain & Ireland said, "For installers, 2in1 will transform your projects by doubling the daylight with one single and simple installation - increasing project values with relatively little additional work. The response so far from the trade has been incredibly positive, and so we encourage you to experience it for yourself and signing up for installation training." Find out more: www.velux.co.uk/training

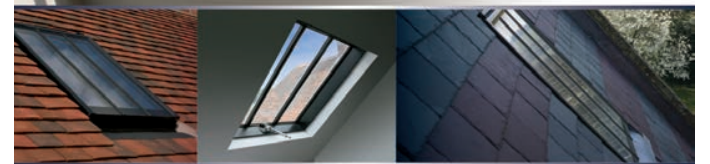
CLEMENT

creating light...beautifully

The Clement Conservation Rooflight®

Crafted by experts in steel fenestration and building restoration.

The Clement Conservation Rooflight is a reproduction of a Victorian original. Designed to lie flush with the roofline and in keeping with the character of your property, it is the only conservation rooflight that is available from stock in two profiles – for slate or clay tiles - to ensure the best finish.



superb conservation rooflights

Clement House, Haslemere, Surrey GU27 1HR
01428 643393 clementconservationrooflights.co.uk info@clementwg.co.uk



HOT MELT COOKER HIRE

GAS HEATED

Thermostatically controlled, air-jacketed mixers available in 2 sizes:

- 1.5 drum, 110 volt, caster mounted with lifting point
- 3 drum, 110 volt, caster mounted with lifting point



For further information or a hire quotation call

01858 412 100

Email: sales@cookerhire.com
www.cookerhire.com

COOKER HIRE Ltd

ELECTRIC HEATED

- 1.5 drum, silent-running with portable generator or site power
- For sites that prohibit liquid propane gas

Fully services prior to delivery. Full operator training available.

GUTTERCREST



ALUMINIUM

GUTTERING | DOWNPIPES | HOPPERHEADS



RENOWN STANDARD RANGE
ENDLESS BESPOKE POSSIBILITIES

01691 663300

guttercrest.co.uk

info@guttercrest.co.uk



ALUMINIUM
INBUILT SUSTAINABILITY