

THE ROOFING AWARDS 2019

PROGRAMME

HOSTED BY

 **NFRC**

LEADING ROOFING EXCELLENCE

HEADLINE SPONSOR

 **SIG** *ROOFING*

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Welcome



It is with great pleasure that we welcome you all here today from the new surroundings of the InterContinental London at the O2.

These awards continue to stand as a reminder to us all, of the important contribution this roofing sector makes to deliver superb levels of workmanship, innovative products and design.

The proof can be seen today in the standard of this year's projects.

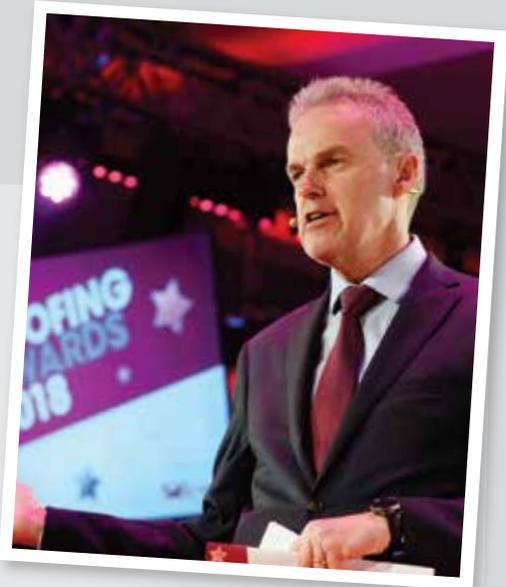
I congratulate this year's finalists and we wish you all the very best of luck.

Once more we would also like to thank every one of our sponsors for their continued support, and to our guests, we hope you have a wonderful day.



James Talman

NFRC Chief Executive



12:00 - 13:00

Welcome drinks and networking reception sponsored by BMI UK & Ireland

13:00 - 16:30

Awards Ceremony hosted by Sarah Beeny

- Welcome by NFRC Chief Executive, James Talman
- NFRC Health & Safety in Roofing Award 2018
- Local Hero Award – *Sponsored by SIG Roofing*
- Young Roofer of the Year Award – *Sponsored by BMI UK & Ireland*
- Industry Choice Award – *Sponsored by Radmat Building Products*
- Roof Slating – *Sponsored by CUPA PIZZARAS*
- Roof Tiling – *Sponsored by ECIC*
- Heritage Roofing – *Sponsored by Klobber*
- Green Roofing
- Sheeting & Cladding/Rainscreen – *Sponsored by Kingspan Insulated Panels*
- Fully Supported Metal – *Sponsored by ALM*
- Lead Roofing – *Sponsored by ALM*
- Single Ply Roofing – *Sponsored by EJOT UK*
- Liquid Applied Waterproofing and Hot-Melt
- Mastic Asphalt
- Reinforced Bitumen Membranes – *Sponsored by SIKA*
- Small Scale Project (under £25k)
- Large Scale Project (over £250k) – *Sponsored by Marley Ltd*
- Product Innovation – *Sponsored by EagleView*
- Roof of the Year – *Sponsored by SIG Roofing*

This year our President's Chosen Charity is Parkinson's UK

PARKINSON'S^{UK}
CHANGE ATTITUDES.
FIND A CURE.
JOIN US.

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Starter

Tart of green asparagus and smoked aubergine, feta cheese
with red pesto glaze (v)

Main

Slow cooked feather blade of beef in Rioja and bay leaf jus, horseradish mash,
glazed carrots and thyme sautéed mushrooms

Vegetarian Main Course

(Pre-ordered)

Beetroot ravioloni with sage and parmesan sauce, honey roasted baby
beetroot, crumbled goats cheese and beetroot crisp

Dessert

Raspberry bavaroise, thyme syrup, raspberries and shortbread

Wines

Carignan IGP Côtes de Thau, Baron de Badassière, Languedoc
France 2017

Viognier IGP Pays d'Oc, Baron de Badassière, Languedoc
France 2015



Sarah Beeny

Sarah Beeny is a renowned property expert, businesswoman and TV presenter. She is best known for fronting Channel 4's Double Your House for Half the Money, Help! My House is Falling Down, Restoration Nightmare, Property Ladder and Four Rooms.

Sarah set up her first property development company aged just 24 along with her brother Diccon and now husband, Graham Swift. Since then, she and Graham have created a number of influential and exciting businesses.

With over 20 years' experience, Sarah is one of the most familiar and trusted names in the world of property and has written regular columns for national newspapers and magazines, in addition to numerous books.

Sarah returned to TV screens in 2017 to host Channel 4's documentary UK's Best Places to Live and also co-hosted the Channel 4's series How to be Mortgage Free: Design your way out of Debt.



Roger Tilling

Roger Tilling is one of the most well-known and trusted voices on British television, famous as the voice of BBC2's University Challenge.

Roger began his career in independent radio, before moving into television to become a live announcer, voicing the trailers of BBC1, BBC2, ITV, Universal, Channel 4, Channel 5, Sky, MTV, Nickelodeon and Cartoon Network. He has also narrated over 100 documentaries, and provided character voices for computer games, animated productions and movie trailers.

With over 20 years of television and radio experience, Roger's voice has been heard on many major television events and shows, from Never Mind The Buzzcocks to The British Soap Awards and announcing Her Majesty The Queen at The Royal Variety Performance.



Roofing contractors often struggle to maintain a solid reputation in a difficult marketplace. Confidence from consumers in roofing contractors has dropped and the hard work that roofing businesses put in can be undone in an instant.

This means the work of the NFRC and the Roofing Awards in particular is more relevant and important than ever. Celebrating successes in our industry and demonstrating that NFRC members are the right choice for consumers.

As the UK's largest merchant of pitched, flat and industrial roofing and cladding related products and services, we are delighted to be supporting this amazing event.

Local support when you need it.

You need a local branch with the knowledge and dedication to fully support your business. SIG Roofing has over 100 branches with a Core Range of products always in stock ready for when you need them.

ONE Warranty

The unique and innovative ONE Warranty is a single package roof product warranty to support the build-up of both pitched and flat roofs from batten to roof coverings. The performance of each product is covered for 15 years, at no extra charge.

Easy to understand and even easier to use, this single package warranty means you only have to deal with one supplier for the goods, warranty registration and contact in the event of a claim.

SIG Design Technology

From initial design right through to installation, we can help you design and build roofs that last, save energy and look great.

You can benefit from:

- Impartial design expertise
- Product and installation training
- Accredited contractor scheme
- Product and workmanship guarantees
- On-site and technical support

SIG Industrial Roofing

When you require expert advice on ranges, products and technical specifications, our industrial roofing centre can offer:

- Matching – sourcing discontinued products, match profiles and colours
- Materials – identify products and quantities required
- Deliveries – the quantities you need, at the place you need them, at the time convenient for you
- Advice and support – for technical and regulatory advice, our team is here to support you all the way.

Own Label

We listen to your product requests and then develop product ranges and solutions to solve those requests. We only work with manufacturers that are well established and have a proven quality track record.

Our product ranges include:

- SIGA Natural Slate – setting the benchmark in natural slate for roofing
- SIGA Heritage – reproducing natural beauty, perfectly
- SIGnature Clay Tiles – Bringing together modern technology and the skills of the traditional tile maker
- TIL-R – Pitched roofing products designed to meet your standards of useability, quality and price.
- FIX-R – Flat roofing products designed to include everything from traditional techniques to modern product solutions

As your supply partner we aim to ensure everything we do is tailored to make your working day easier.

To find out more please visit www.sigroofing.co.uk or [@SIGRoofing](https://twitter.com/SIGRoofing)

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Roof of the Year

The winner of this Award is selected by the judging panel from the category winners, who will consider all the elements of the project, including complexity, workmanship and project management.

In 2018, it was awarded to Full Metal Jacket Ltd for The Victoria Royal Pavilion, which had won the Fully Supported Metal category.

HEADLINE SPONSOR



Industry Choice

The Industry Choice Award, sponsored by Radmat Building Projects, is a fantastic opportunity for the construction industry to get involved by voting for their favourite project online.

Online voting officially opened with the shortlist announcement in early March, and at its close on the 1 April amassed over 1,200 votes and once again captured the interest from the industry on all the major social media platforms with some very creative campaigns.

INDUSTRY CHOICE
SPONSORED BY



Last year, Longworth Building Services Ltd won the award for The Bund.



LOCAL HERO

SPONSORED BY



The UK Roofing Awards is not just about celebrating the best in roofing, the awards also look to recognise those individuals, who go above and beyond to support their local communities.

The search for the 2019 Local Hero began in March with Headline Sponsor, SIG Roofing teaming up with NFRC, to recognise some of the great achievements of the roofing community that often go unnoticed.

Last year, the inaugural Local Hero Award went to Lee Moran, a charity-minded roofing contractor from Surrey. Lee, whose family-run business Moran Roofing Specialists is based in Farnham, was recognised for his years of fundraising for a number of great causes such as the British Heart Foundation, Shooting Star Chase Children's Hospice and the Phyllis Tuckwell Hospice.



Stuart Base, SIG UK Exteriors Marketing Director, said: "The Local Hero Award is incredibly special, rewarding roofers who support our communities. We had fantastic entries from people nominating roofers who have gone above and beyond to help others – often sacrificing time and money in the process. We are delighted to be sponsors for this award. The roofing industry is filled with examples of heroic work to help others. As a major partner for roofing contractors in the UK, we feel it is also our responsibility to ensure recognition is given to our heroes without capes."

For more details about the award head to www.sigroofing.co.uk/local-hero

YOUNG ROOFER OF THE YEAR

SPONSORED BY



New for this year, the award celebrates the passion and commitment of roofing's next generation.

The aim is to recognise the work and contribution made by a young roofer or apprentice, through their approach, ability and skills.

BMI UK & Ireland is proud of their involvement in the awards and like the NFRC, they believe in recognising and rewarding roofing talent, especially young roofers – who are the future lifeblood of the industry. This is something that BMI invest heavily in through their work at the BMI National Training Centre, roofing colleges and their Apprentice of the Year competition.



NFRC Health & Safety Champion Award 2018

Roofing is dangerous business so it is important that everyone involved in it has a good knowledge and awareness of Health & Safety. However, there are some individuals who go above and beyond, leading by example and actively promoting a safer working environment for everybody.

This award recognises those worthy champions.



NFRC
LEADING ROOFING EXCELLENCE

LSTA
Lead Sheet Training Academy

Shane White of SW Leadworks has been crowned Leadworker of the Year 2019. The competition, now in its eighth year, is sponsored by the Lead Sheet Training Academy, which specialises in training those using lead or hard metals in the construction industry. It was open to both self-employed leadworkers and those working for contractors.

Competitors were required to send in a portfolio showcasing their work before seven talented finalists were invited to attend a two-day practical assessment at the LSTA's Training Centre in East Peckham, Kent. The competitors were required to complete a series of tasks over identical model roof sections, all under the watchful eye of a panel of expert judges.

Commenting on the standard of the competition this year, the LSTA's General Manager Nick DuGard said: "We were delighted to stage the LSTA Leadworker of the Year competition this year and the response from entrants was fantastic. The skills test over the two days was exacting but the standard of work was extremely high. The first test included bossing an outlet and on the second day the competition ramped up with a test to deliver a piece of work with double-break corners. We would like to thank everyone who took part and to congratulate Shane on winning this prestigious award."

The judges' task was challenging but Shane's excellent work stood out, with the judges praising his attention to detail and the craftsmanship evident in his work. Shane, 30, is based in Somerset. Having studied carpentry at college, he soon made the switch to leadwork, initially working with family. With his grandfather being a blacksmith and his uncle having worked with lead, metalwork is something that he feels "almost runs in my blood". He hasn't looked back since: he now runs his own business and has a true passion for lead roofing, saying that he loves his work.



Shane White, Leadworker of the Year 2019

From L-R: Lewis Lumsdon - Self Employed, Dale Yates - Jennings Roofing, Shane White - SW Leadworks, Kevin Bennett - K&M Leadwork, Grant Robinson - Self Employed, Ashley Saxton - Saxton Specialist Leadwork

Shane hopes to continue to hone and expand his skills in the future, having found the competition and recent short training courses at the LSTA's Centre a brilliant experience. Speaking about the competition, he said: "After working in the industry for several years now, I'm so excited to be a finalist in the Leadworker of the Year Award for the second time. Thank you to everyone involved for this great opportunity".

As well as gaining industry recognition, Shane will be awarded a number of career-boosting prizes, including a free week of training at the LSTA, a new set of tools and a copy of the Rolled Lead Sheet Manual.

Runner-up Ashley Saxton of Saxton Specialist Leadworks was a close contender for the title. He will receive a copy of the Manual and a three-day personalised development training course with the LSTA's experienced tutors.

Product Innovation Award



Roofs are only as good as the products being installed on them by skilled professionals. The Product Innovation Award was introduced last year to celebrate the most innovative products and systems and is perfectly suited for the ever-changing and adapting industry.

The award could be a system developed specifically for a project to overcome a challenge or client requirement, or it could be for an existing product that has been used in a novel way to deliver a roof more effectively.

At this year's award, proudly supported by EagleView, only the standout entry will be announced.

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Matt Downs – Awards Adjudicator

Co-owner & Editorial Director, Media Now Ltd.

Matt is co-owner and Editorial Director of Media Now Ltd., a specialist B2B publishing house whose titles focus on the operatives working with and installing construction materials and products on both residential and commercial projects.

Media Now's titles include Total Contractor, the only monthly magazine dedicated to contractors and subcontractors working with roofing, cladding and associated products, and Total Installer, which provides advice and guidance for glazing installers and home improvement specialists.



Nigel Shapland BSc MRICS

Senior Technical Officer, NHBC

A Chartered Building Surveyor, Nigel has been Senior Technical Officer at the NHBC for the past 20 years. His role involves providing in-depth technical advice on all aspects of construction covered by NHBC Standards.

Nigel is also a long-standing member of several British Standards committees including BS 5534, BS 6229, BS 8612, BS 8000-6 and BS 5250. He is also a member of NFRC's Slating & Tiling committee and Joint flat roofing committee.



Martin Lovegrove CMIOSH MIIRSM PIEMA

Head of Health & Safety Policy & Infrastructure, Berkeley Group

Martin has worked in health and safety for the last 15 years for a number of organisations covering agriculture, civil engineering, engineering, telecommunications, utilities and construction.

For the last six years he has worked for the developer Berkeley Group based in London and the Southeast and Birmingham with brands such as St George, St James, St William, St Edward, St Joseph and Berkeley Homes.

He is currently Head of Health & Safety Policy & Infrastructure which involves setting the strategic direction for the group in health and safety as well a supporting role across the sites. Martin also sits on a number of industry working groups representing Berkeley Group.



Dr Claire Griffiths

Editor, Roofing Today

Claire Griffiths has been editor of Roofing Today magazine for 11 years. She is passionate about promoting the UK roofing industry, communicating its professional achievements, and supporting its sustainability, training and safety. Recent initiatives include the UK Top 30 Roofing Contractors, 30 Under 30 Young Roofers and specialist supplements to promote various roofing disciplines. Whilst increasing its print circulation, Claire was an early adopter of digital media and has grown Roofing Today's online community.

Claire started her career in publishing, working for several newspapers, consumer and business magazines. She then taught in higher education and has a doctorate in English.



Anna Thompson FRICS C BuildE FCABE

Head of Business Development, LABC

Anna is a Chartered Building Control Surveyor and Chartered Building Engineer with over 30 years' experience in Local Authority Building Control. Previously Building Control Manager at East Devon District Council and Director of Training at LABC, Anna is now Head of Business Development. Anna is an LGA National Policy Advisor, and previously part of the Core Cities Group for Public Safety and the LACORS Cowboy Builders Working Party. She is passionate about recruiting to the construction industry and widening awareness of non-trades roles in schools and colleges.

She has a reputation for her engaging and interesting presentation style and has spoken at many industry events including conferences run by RTPI, BRE, LABC and RICS.

Roof Slating

Greenough & Sons Roofing Contractors Ltd

Project Name: Private House, Harlech

Location: Harlech

Materials: Natural Spanish slate, including Del Carmen 50x25mm

An imposing circular home built on the shores of the Irish Sea demanded a robust roof that could withstand all the weather thrown at it. The building featured a convex roof slope to the outside and a concave slope on the inside, plus lower roofs with varying degrees of sweeping curves. Every natural slate was graded and tapered both sides to fit into its unique pre-determined position and Greenough & Sons used traditional skills to create a striking roof covering that gives the utmost performance in this unforgiving location.



Richardson Roofing Co Ltd

Project Name: Battersea Arts Centre

Location: London

Materials: Welsh Penrhyn slate

The upper parts of this Grade II listed building had been devastated by a fire and Richardson Roofing were tasked with renewing the roof as part of the renovation programme. Work was carried out from a harness and materials craned up in order to carry out all the slating work as well as the ornamental leadwork on the spire dome and the three ornate eyebrow dormers.



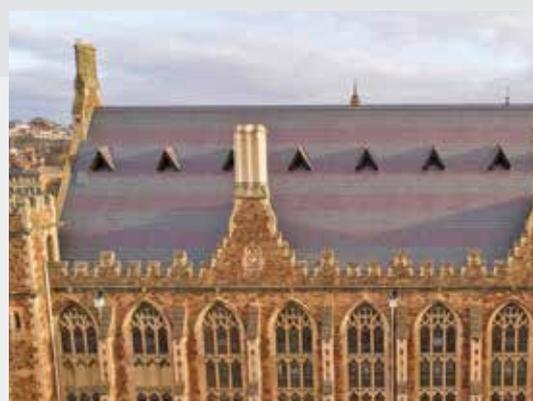
M. Camilleri & Sons Roofing Ltd

Project Name: BSK Building, Clifton College

Location: Bristol

Materials: Welsh Cwt y Bugail and Penrhyn slates; Dreadnought crested clay ridge tiles

The roof of this imposing Grade II listed kitchen and dining hall built in 1862 needed to be completely renovated and the team were tasked with stripping the 1,000m² roof covering before replacing it like-for-like with 15,000 dark blue-grey rectangular Cwt y Bugail slates and heather blue Penrhyn arrowhead slates. These were fitted on the duo-pitch roof in the distinctive alternating ornamental bands, a feature which had to be replicated throughout. The team also repaired the stone chimneys and replaced all leadwork in keeping with the original.



Rooftec (Scotland) Ltd

Project Name: Viewfield Street

Location: Stirling

Materials: Welsh slate and Icopal single-ply

Sandwiched between views of Stirling Castle and Wallace's Monument, this listed tenement block in Stirling city centre was in desperate need of a full roof replacement with Welsh Cwt Y Bugail Grade A slates. The roof included a pyramid-shaped tower to the front, a large cupola over the main stairwell, and various vertical slating to the mansard areas at the front and rear elevations.



Roof Tiling

DKS Roofing Ltd

Project Name: Heron Cross Primary School

Location: Stoke-on-Trent

Materials: Marley Eternit Century tiles

Following an inspection for repair work it was discovered that the existing tiles and the timber structure were in very poor condition, so a total re-roof was required on this 100-year-old school. The team used tiles that complemented the red-brick, with existing lead gutters and associated leadwork renewed, as well as the timber structure.



Richard Soan Roofing Services

Project Name: Old Leylands

Location: Crowborough

Materials: Wienerberger Goxhill handmade clay plain tiles

This beautiful country property has a roof made up of 25 intricate slopes, with four projections on the rear elevation, with run-out gutters in between, and in places pitches of 45 degrees at the eaves up to 70 degrees. The original tiles were a mixture of peg and nibbed tiles in poor condition and where tiles could not be re-used, the team sourced matching handmade tiles. The team also renewed the lead flashings, gutters, waste and down pipes as well as the timber soffits and fascias.



Emerton Roofing (Western) Ltd

Project Name: The Vicarage

Location: Upton

Materials: Sandtoft cross cambered handmade tile

This traditional brick detached house had been vacant and was in need of a complete renovation, including the roof, which was full of quirky features such as 'Laced Valleys', 'Winchester Cuts' and 'Bell Casts' to flat dormers. The original specification wanted to replace these with simplified details such as open lead junctions and replacing vertical tiling with panelled metal. However, Emerton used its traditional skills to restore the roof faithfully with new clay tiles.



Martin UK Roofing Systems Ltd with W O'Dwyer working with BMI UK & Ireland

Project Name: St Joseph's Roman Catholic Primary School

Location: London

Materials: BMI Redland Rosemary Classic

This school had suffered extensive fire damage and required a total rebuild of the 2500m² roof, incorporating new steel trusses, timber works and installing 76,000 tiles. The tiles were selected to match the original appearance of the Edwardian building. The roof featured several period features, including four turrets and a central 5m-high lead-clad, hexagonal cupola with a dome, which had to be redesigned.



Heritage Roofing

Ellis & Co (Restoration and Building)

Project Name: The Orangery, Longleat Estate

Location: Longleat House

Materials: Welsh Penrhyn slate

Leaking lead wall gutters, had caused the timber roof structure to deteriorate, so Ellis and Co was tasked with re-slatting the roofs and replacing leadwork to the roof hips and around the louvred dormer windows. Rotten timbers were substituted, and lead gutters replaced with copper to meet current regulations. Welsh slates sourced from Penrhyn Quarry, were sorted by thickness and laid with tails aligned, the thickest laid at the eaves.



MacLeod Roofing Ltd

Project Name: Ballater Old Royal Station

Location: Ballater

Materials: Reclaimed West highland slates and Welsh slate

Ballater Rail station, famous for housing Queen Victoria's personal train, had been razed to the ground in May 2015 by a firestorm. Restoring the original features was therefore critical to the re-building project. MacLeod Roofing sourced over 20,000 reclaimed West Highland slates, 7,000 new Welsh slates and 1,000 scalloped slates, to reflect the original look and sized to reflect the same gauge in each elevation. Code 7 lead was used on the flat roofs and Code 6 to the ridge, hips and valleys.



Emerton Roofing (Western) Ltd

Project Name: 13-16 Village Road

Location: Norton

Materials: Reclaimed Broseley clay tiles

This 16th century timber-framed house had a roof covering consisting mostly of local Broseley clay tiles of varying age, some dating back to the original construction. Working with the local estate and conservation officer, Emerton Roofing retained the original vernacular roofing pattern and recreated traditional details, such as leaded cheeks in the dormer areas and chimney repairs. A full-size mock-up of the roof was built at Hampton Court Palace so that different copper and slate details were tried before work started.



Richardson Roofing Co Ltd

Project Name: The Great Pagoda, Royal Botanic Gardens

Location: Royal Botanic Gardens

Materials: Welsh Cwt Y Bugail slate, copper

This 50-metre, 18th century Grade II listed landmark needed a full restoration, including to the 80 gilded dragons adorning the roofs. Richardson Roofing were contracted to strip off and renew the Welsh slates and the majority of the sheet copper weatherings. Copper to the cupola and the flat roofs, dating back to 1762, were retained, with intricate repairs made at the request of the architect, the team even sourcing from a Canadian boatbuilder, 'red lead' that had originally been used to seal a penetration.



Macleod Roofing Ltd

Project Name: Cairngorms National Park Authority HQ

Location: Grantown-on-Spey

Materials: Eva Vap VCL, ICB Tapered Insulation, Alwitra Single Ply Membrane VSK

The extension to this Victorian building included a green roof area planted with local heathers, which is overlooked by a terraced roof used by staff. The mix of colourful native heathers, which complement the traditional stone, were planted in 200mm of intensive soil growing medium over the green roofing system.



W Hughes & Son Ltd

Project Name: The Flower Bowl Entertainment Centre

Location: Lancashire

Materials: Sika Liquid Plastic Decothane Root-resistant cold-applied liquid system

Located in a semi-rural area, the owners of this garden centre and entertainment venue wanted the scheme to be designed on sustainability principles, with the curved green roof reflecting the local landscape of rolling hills. The project required a robust, root-resistant roofing system that would provide a fit-and-forget solution beneath the green roof growing medium and the insulation needed to offer both thermal performance while following the roof profile. Code 6 lead was used at the ridge, hips and valleys.



Clarke Roofing Southern Ltd

Project Name: 63-65 Cooden Sea Road

Location: Bexhill-on-Sea

Materials: Bauder KSD Mica VCL, Bauder Sprint Duo Underlay, Bauder Plant E Cap Sheet

A green roof was specified for this new block of flats within a residential area as part of the planning application. Clarke Roofing were tasked with installing a Bauder warm roof mineral felt system to the 155m² of a sharply-curved roof, which required the sedum blanket to be fixed with spikes.



Sky Garden Ltd

Project Name: Pinewood Studios - Phase 1

Location: Pinewood Studios, Buckinghamshire

Materials: Lightweight aggregate substrate and a variety of native meadow plants

Due to growth, the world-famous film studio needed to construct five new film stages and other facilities in Green Belt land. As part of the planning conditions, green roofs were installed on all five stages, totalling more than 12,800m². Working with ecologists from Arup, a range of four habitats were designed for each roof, reflecting the meadow land lost to the development, and designed to attract local skylarks.



Sheeting & Cladding/Rainscreen

Longworth Building Services Ltd

Project Name: Joseph Priestley Building, University of Huddersfield

Location: Huddersfield

Materials: Vivalda Larson FR ACM

The University wanted a dramatic change to the façade as part of the refurbishment programme of its dedicated science building, so working with AHR Architects, Longworth designed and installed a striking cladding system, which consisted of extruded aluminium box sections at 150x50mm at varying lengths to create a finned effect across the entire façade.



Prater Ltd working with BEMO

Project Name: No.1 Court at The All England Lawn Tennis Club

Location: Wimbledon

Materials: BEMOFlex aluminium standing seam system and BEMO Bailey rainscreen cladding

The retractable roof was the key feature of this project to make No.1 Court an all-weather tennis arena with a capacity for 12,400 spectators through the addition of two new tiers. This required significant structural steel frames in order to support it. Working alongside key supply chain partners, Prater installed a 6500m² aluminium standing seam metal roofing system along with an extensive waterproof hot melt package. The team also delivered 3000m² of cladding to the outer wall. A phased approach ensured No.1 Court could still host matches.



Kovara Projects Ltd

Project Name: Gloucester Transport Hub

Location: Gloucester

Materials: CA Building Products Aluminium Bullnose & Soffit System

The building has a single roof plane to resemble an aircraft wing in reference to the city's aviation history, while also providing a dramatic structural form. The wing also has an aerofoil section and is punctuated at various points to allow light to flood into the concourse and bus stands. Kovara Projects demonstrated precise workmanship and collaborative working to deliver this striking modern piece of architecture.



Longworth Building Services Ltd

Project Name: Wigan Bus Station

Location: Wigan

Materials: Baileys PPC aluminium and Anodised Aluminium Fascia, Soffit and cappings

The building was made up of long sweeping and tight hairpin curves, with each section of the Baileys PPC aluminium fascia, soffit and cappings manufactured to suit the building's form. Precision was key to achieving a flawless finish. Longworth therefore worked closely with Baileys to produce a bespoke galvanised steel hanging system that would support the anodised aluminium planks across the curved elevations.



Fully Supported Metal Roofing

Roles Broderick Roofing Ltd

Project Name: Abbeywood Station

Location: London

Materials: VM Zinc Quartz Plus, Linetherm Flex Insulation, Warmfast vapour barrier

Designed to look like a manta ray, the sweeping lines of this Crossrail station demanded excellent precision and workmanship from Roles Broderick. Good project management was also crucial to installing a complex roof that curved in different directions and included tapered soffits within the client's strict programme.



Richardson Roofing Co Ltd

Project Name: Ludgate House

Location: Hertfordshire

Materials: Linetherm substrate, zinc

Richardson Roofing installed the bespoke curved zinc roof that was the defining feature of this strikingly modern design, which transformed an old and dated livery yard into a new home. The contractor created the barrelled roof on site, demonstrating excellent detailing on all the elements, to deliver a standing seam metal roof coverings that reflects the traditional barn form using the most modern systems.



Longworth Building Services Ltd

Project Name: Astley Point

Location: Wigan

Materials: VM Anthra Zinc Plus, Nordic Night Black Greencoat PLX

Longworth worked hand-in-glove with the steelworker, architect and client to deliver a standing seam zinc covering to the complex design of this mixed-use development. The contractor angled the seams to run in contrasting directions to each elevation in order to emphasis the highly angular design.



Roles Broderick Roofing Ltd

Project Name: The Garden House

Location: London

Materials: KME Tecu 'Classic' Natural Copper

Constructed using natural copper, this project showcased both cutting-edge design and traditional copper skills. Every copper panel was handmade to fit the design, which allows light to fill the space from a single roof-light. Each panel was different due to the design's complexity, the contractor achieving the desired aesthetic while all the while ensuring it provided weather protection.



Lead Roofing

Allard Construction Ltd

Project Name: St Marks Church
Location: London
Materials: Lead sheeting and slate

Allard Construction were tasked with installing both Welsh Penryhn slate and various codes of lead sheets to the flat roofs of this Grade II listed church, with sand cast lead mouldings used for the cupola features. The client insisted that only propane gas could be used for welding and another challenge was site access. Materials had to therefore be hoisted on to a scaffold gantry, so the team designed the carpentry and structural elements of flat roofs and gutters to minimise the need for heavier Code 8-plus lead sheets.



Full Metal Jacket Ltd

Project Name: Canterbury Journey, Canterbury Cathedral
Location: Canterbury Cathedral
Materials: Sand-cast lead

A particular challenge in renewing the lead roof of Canterbury Cathedral's nave, was laying it using the unique 'Canterbury Roll' system. This is a hand-dressed, three-folded joint applied at the roof apex and involves all the ridge pieces being bossed in line with the curve and the steep pitch. The team successfully completed the task after having first stripped out the old lead, maintaining a chain of custody, which proved that the lead taken from the roof had been recast and re-laid.



Richardson Roofing Co Ltd

Project Name: Three Minsters House
Location: Winchester
Materials: Lead, Bauder felt system

A number of leaks attributed to the design and installation of the original roof required a Richardson Roofing to replace it entirely with their own design using 85 tonnes of lead to cover 1300m². The work involved the complete replacement of lead on the mansard roofs, the perimeter details, and to the gutters



D Harkin & Co Roofing Ltd

Project Name: McArthur Hall, Methodist College
Location: Belfast
Materials: Lead

The roof of this Grade B1 listed building needed a complete overhaul as part of extensive renovation and the team re-used as much of the original building material as possible including roof slates, gutters and downpipes to retain the building's character. However, the spire, which is the building's standout feature, was missing most of its lead due to exposure to the elements and what remained was of very poor quality. Nevertheless, experienced heritage craft lead workers were able to recreate the original intricate lead designs.



Single Ply Roofing

Contour Roofing (Essex) Ltd

Project Name: Temple Farm Development - 2018 phase

Location: Chelmsford

Materials: Sika Sarnafil products and Kingspan TT47 tapered insulation

Contour Roofing were contracted to provide the roofs to the offices, residential blocks and amenities of this new development on the site of a former scrapyard. The team worked closely with Sika Sarnafil on the roof specification and design, convincing the client to use single-ply as an alternative to aluminium capping. Contour Roofing delivered skilled workmanship to achieve the highest quality finishes and achieve BREEAM requirements.



Weatherwell Roofing Ltd

Project Name: Welsh Highland Railway Caernarfon Train Station

Location: Caernarfon, Gwynedd

Materials: Protan UK single ply and Kingspan TR26 insulation

Being visible from an adjacent road meant that it was especially critical to achieve a perfect and waterproof finish on what was a challenging curved design. At the client's request, standing seam profiles were installed from the centre of the roof, along with fully encapsulated parapet and spine walls.



Invictus Roofing Ltd

Project Name: The Old Polegate Station

Location: Polegate

Materials: DANOSA UK products including Dantherm Foil Fix PIR and DANOPOL+ HS 1.5

Built on the site of the original Polegate Station, the new residential block, which was fiercely opposed by residents, had to be in keeping with the local surroundings. Invictus Roofing, therefore, proposed a single-ply roofing system with alpha profile finish to provide a heritage zinc effect, overcoming many changes in angles to provide a crisp, neat roof covering.



Progressive Systems Ltd

Project Name: The Dunes

Location: Cornwall

Materials: Sika Sarnafil, including S327 18 EL lead grey single ply membrane

Situated just 10 short metres from the beach at Perranporth in Cornwall, Progressive Systems had to contend with unforgiving coastal weather to deliver an attractive, yet robust roof to this luxury development. One of the most prominent design features on the roof were Sarnafil Decor Profiles, which were used on the steeper pitched roofs and the beach houses to mimic a standing seam roof. The team carried out wind uplift calculations to determine the number of fixes needed on the roof to ensure it was able to resist the formidable weather.



Permicoat Ltd

Project Name: Didsbury Road Primary School

Location: Stockport

Materials: Sika Liquid Plastics Decostik, tapered insulation, Decothane Ultra, Primer 610

The wired glazed roof lights down the majority of the elevations were badly damaged and seeds had rooted, growing into, while the existing roofs coating had de-bonded and the insulation was floating in areas. The team replaced the roof lights and altered the tapered insulation scheme without affecting the thermal value, before applying the waterproofing. They also formed a gutter detail on the roof using tilt fillet and timber as an alternative to the proposed UPV guttering.



Makers Construction Ltd

Project Name: The Water Gardens

Location: London

Materials: Triflex ProTECT, Triflex ProDetail

The 5800m² rooftop terrace of this concrete residential block includes planters and pools. These had begun leaking into the basement carpark beneath soon after the building's construction in 1966, and a lack of maintenance had led to severe deterioration. Makers Construction had to first empty the planters and drain the 148,000 litres of water plus accumulated silt from the individual pools, before repairs and waterproofing could start. Makers doubled-up the reinforced waterproofing system to ensure a leak-free roof before re-filling the pools.



K Pendlebury & Sons Ltd working with Kemper Systems Ltd

Project Name: Museum of Liverpool

Location: Liverpool Waterfront

Materials: KEMPEROL 2K-PUR KEMPERTEC EP5 Primer
KEMPERTEC KR Quartz

Situated over the Leeds-Liverpool canal, and a centrepiece of Liverpool's regeneration programme, the wide stairway leading to the museum had to be closed to the public after the single-ply membrane had begun to fail. After removing the stairs and stripping the original membrane, the team applied the liquid waterproofing to the on slopes, which ranged from 20 to 35 degrees, before waterproofing the steel stair trackway.



Rio Asphalt & Paving Co Ltd

Project Name: Our Lady Help of Christians RC Church

Location: Birmingham

Materials: Vulkem Repoma membrane and coloured top-coat

This Grade II listed building is a notable example of 1960s 'Brutalist' architecture, the most prominent feature being its sloping-to-vertical obelisk roof with a copper membrane finish. However, by 2018 the roof needed urgent repair. Rio Asphalt chose a liquid product, which could be applied over the existing membrane to retain the original pattern and finish, while providing maximum protection. With over 75% of the overall area being vertical, the team had to work on scaffolding especially adapted for the job.



Infallible Systems Ltd working with IKO PLC

Project Name: Rooftop carpark, Royal Lancaster Hotel

Location: London

Materials: IKO Permapark PA4 system

The carpark, whose ramp appeared in a scene from the original 'Italian Job' film, needed to be completely replaced, but the team had to work carefully to avoid damaging valuable chandeliers installed in the function room directly below the installation area. This meant heavy machinery could not be used. The team also had to work around strict noise restrictions, yet despite these challenges, the team completed the project on time and to budget.



Sussex Asphalte Ltd

Project Name: North Courtyard, St Paul's Cathedral

Location: London

Materials: Recycled asphalt and IKO recreational duty asphalt with added granite

After Sussex Asphalte had replaced the asphalt covering of the Cathedral's Stone Gallery in 2017, it recycled the 100-year-old asphalt to renew the 500m² North Courtyard, which had started leaking water into the Cathedral's workshops and storage facilities. The team overcame numerous changes in height and falls and tight intricate areas with many changes in direction to upstands, to ensure straight lines and deliver high quality workmanship.



NRA Roofing and Flooring Services Ltd working with IKO PLC

Project Name: Brunswick Shopping Centre

Location: Scarborough

Materials: IKO Permapark

The asphalt surfacing of the shopping centre, which has seven million visitors every year, had come to the end of its serviceable life. Despite working in an operational car-park, the team nevertheless delivered a reliable and robust covering, using drone technology and a phased project management approach to deliver the project on time with minimal disruption to shoppers.



BriggsAmasco Ltd

Project Name: Jaguar Land Rover Whitley

Location: Coventry

Materials: Flexiphalt waterproofing and paving, IKO Polimar cold-applied liquid plastic

Height restrictions for this three-deck car park, prohibited the use of BriggsAmasco's asphalt finisher, which meant the team had to lay 10,000m² of asphalt by hand-laid. This added to the project's complexity, and had it not been for the skill and diligence of BriggsAmasco's installers, this labour-intensive, procedure might have severely delayed the project's completion.



Reinforced Bitumen Membranes

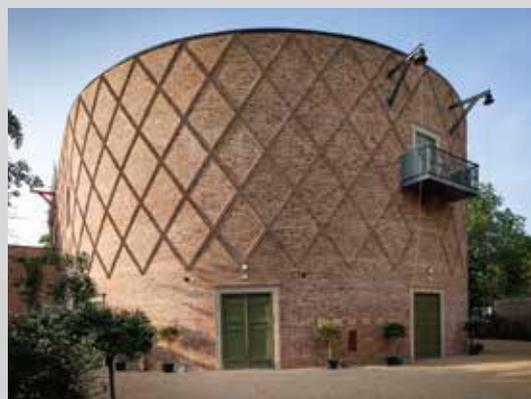
Malone Roofing (Newbury) Ltd

Project Name: Grange Park Opera House & Lavatorium Rotunda

Location: Leatherhead

Materials: Bauder felt roofing system including K4E Charcoal Grey mineral cap-sheet

The country's newest opera house features a complex circular dome roof with 3-25-degree pitches, matched by the lower-level standalone Lavatorium, which together totalled 1200m². The team took great care with detailing and material management, measuring the slope, accurately in order to roll widths to meet at the bottom and chamfer up the slope to meet at the middle of the dome with the correct overlaps.



JPR Roofing and Flooring Ltd

Project Name: Huxley Building, Keele University

Location: Staffordshire

Materials: Bauder felt roofing system

JPR Roofing were tasked with overlaying a complex roof where 18 months earlier services and plant had been installed for the labs below. The team had to install the waterproof covering around the multiple flues and vents, ensuring it was robust enough to cope with M&E engineers accessing the services. Gas torches, even for drying were prohibited, made this already complex project more challenging.



Mitie Tilley Roofing Ltd

Project Name: Unit 800 Aztec West

Location: Bristol

Materials: BMI Icopal products, including Total Torch VCL and Thermaweld Firesmart cap-sheet

Consisting of a series of multi-level octagons, this very complex 4,250m² roof needed a long-lasting covering to replace the original roof. The hexagonal arrangement meant the team had to cut and detail in multiple mitred hips, along with numerous sumps for outlets. This followed a laborious strip-out where in places the build-up included two layers of insulation board and cork boarding. The team also re-clad the perimeter of the building and five staircases.



Eclipse Roofing & Waterproofing Ltd

Project Name: 10 Nairn Road

Location: Poole

Materials: Soprema Optima bituminous warm roof system and Optima mineral cap sheet

Located in an area where properties sell for six-figure sums, this beautiful contemporary home demanded a flawless installation, which Eclipse Roofing delivered the client. Felt was chosen for its durability in a coastal locale, but which would also look attractive. It was crucial that every square metre of waterproofing was pleasing to the eye, with straight lines and tidy straight continuous bituminous beads.



Premier Roofing & Construction Ltd

Project Name: Garden Room, Horatio's Gardens, Stoke Mandeville Hospital

Location: Aylesbury

Materials: Alwitra Evalon VSK, Evatherm PIR insulation, Alwitra Evavap VCL

The standout feature of this garden room for spinal injury patients is its diamond-chequerboard roof made up of glazing and waterproofed insulation, to create a pattern of light inside the building. The butterfly wing design also leads water into a central valley gutter to be collected for irrigating the surrounding garden. Such a design demanded precision and attention to detail to achieve the desired aims.



Longworth Building Services Ltd

Project Name: The Large Teaching Space

Location: London

Materials: Rheinzink graphite grey zinc

The Foreign and Commonwealth Office wanted a modern building to train its civil servants, maximising the limited space of an internal courtyard, but designed with interesting features that could be viewed from the main Grade I listed building. Longworth successfully installed the curtain walling system of a mix of glass film and wall systems, plus a hyperbolic paraboloid roof - commonly referred to as a 'pringle' - in a traditional zinc standing seam finish to the delight of the client.



Emerton Roofing (Western) Ltd

Project Name: Octagonal Tower

Location: Chelford

Materials: Marley/John Brash cedar shingles

This fascinating project involved the conversion of a failing leaded flat roofed bay window into a stunning shingled eight-sided pitched tower. The owners of the grade II* part-timbered 17th century country estate wanted to make a statement and chose cedar shingles for the new tower. Emerton Roofing's skilled operatives demonstrated a multitude of skills from, laying the shingles to the highest standard to hand-crafting each piece of soffit from a section of oak, tightly cut and fixed to allow for a seamless change in shape.



Greenough & Sons Roofing Contractors Ltd

Project Name: The Lychgate of St Baglan's Church

Location: Llanfaglan, near Caernarfon

Materials: Welsh Penrhyn Slate, Ty Mawr lime mortar

The 17th century Lychgate was in a state of disrepair and the team were tasked with matching the existing features and conserving as much of the original fabric of the building as possible. However, very little of the original slate was salvageable, so new Welsh slate was sourced and hung with oak pegs to replicate the original makeup.



Large Scale Projects (Over £250k)

NRA Roofing and Flooring Ltd

Project Name: Audley Retirement Village

Location: Malvern

Materials: Dreadnaught clay plain tiles SSQ Delcarmen slates, Icopal built up felt flat roofs

NRA Roofing was contracted to carry out roofing work on over five new blocks and two Grade II listed buildings. Working with Wates and the local conservation officer to ensure work was in keeping with the surrounding village, NRA completed the project over a 15-month period on 14,000m² of tiled roof, 1,000m² of flat roof and using 15 tonnes of lead.



Stormforce Roofing & Maintenance Ltd working with BMI UK & Ireland

Project Name: Beckley Point Student Accommodation

Location: Plymouth

Materials: BMI Icopal products including Total Torch VCL and Thermaweld detail cap sheet

A large number of roofs on a 23-storey building subjected to strong winds made this a challenging project for Stormforce. Working on roof pitches of 45 degrees, the team nevertheless carried out precise detailing, while successfully replacing the cladding that had been banned following the Grenfell Tower fire. Good project management and attention to health and safety was critical to delivering the project successfully and safely.



Barclay Roofing Ltd working with IKO PLC

Project Name: Stephenson Building, Abbey Hill Academy

Location: Stockton-on-Tees

Materials: IKOslate and Marley Dry Ridge System

This school for 11-16-year-olds with learning difficulties needed to be completely replaced. However, the scale of the project and the need to avoid disrupting classes meant that work could only be carried out during school holidays throughout 2017 and 2018, with the scaffolding erected and dropped each time. Barclay re-roofed the school with IKOslate, a composite tile made with 99% recycled and reengineered materials. Manufactured to look like natural slate, the tile is stronger than natural slate and can be fixed with power tools, enabling the team to install the new roof more quickly.



NRA Roofing and Flooring Ltd

Project Name: ExtraCare Wixams Retirement Village

Location: Wixams

Materials: Marley Edgemere and plain concrete tiles. Protan 1.6 SE single ply

A central feature of this scheme was the large curved mansard roof area on which NRA Roofing had to install 2,800m² of tiles on both the internal and external radius of the curve, carefully interfaced with 2,500m² of curved single ply. A total of 5,500m² tiles were installed on over five buildings and required close collaboration with main contractor Galliford Try to complete the job on time and to budget.





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