



British Precast Annual Review 2014

May 2014

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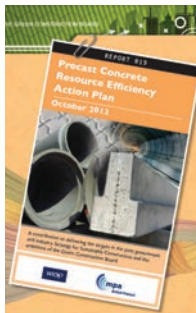
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Martin Clarke receiving his OBE



New offices at Glenfield, Leicester



President's Message

In the past 12 months, we have seen positive progress in the UK economy. In British Precast, I am also delighted with the positive progress in both the evolution of the concrete industry and the Raising the Bar initiative.

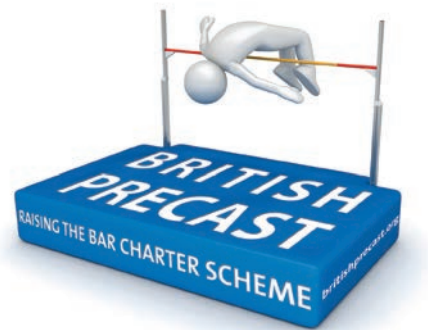
In February I signed, on behalf of Council and all members, the service level agreement with the Mineral Products Association (MPA), whereby it provides a range of administrative, management and technical services. Staff has transferred to MPA to ensure current working relationships deepen and strengthen. This evolution of the concrete industry enables the precast sector to strengthen its influence within the industry and speak with one clear, powerful voice.

The Raising the Bar initiative is about manufacturer members implementing best practice, and this being celebrated by British Precast and members alike. In the past year the Raising the Bar initiative has been strengthened in two ways. Firstly, as of January, 100% of British Precast members have annual sustainability audits, fulfilling the final hurdle in the mandatory sustainability charter scheme. This now sits alongside the mandatory health and safety charter for all members. Secondly, over the last year, there has been progress made in three codes of practice for subsets of British Precast membership:

- Mandatory audits for the Precast Flooring Installation Code of Practice have commenced
- The Prestressing Code of Practice has been presented to the Health & Safety Executive for endorsement
- Drafting of the Architectural and Structural Precast Installation Code of Practice has commenced

The charter schemes and these codes of practice give a clear message to stakeholders: British Precast members are Raising the Bar.

As the economy continues to recover, British Precast members can differentiate their offering to the market place through their commitment to our mandatory charters and compliance with our codes. British Precast



members can also have confidence that, as part of a larger and wider body, we speak with one voice to a wider industry and government.

In the past 12 months, we have seen the reins of executive leadership of British Precast pass on from Martin Clarke to Andrew Minson. I thank Martin for his leadership of the precast sector over the years, and wish Andrew every success as he leads British Precast as part of a wider MPA family.

Andy Dix, President



Executive Director's Message

Precast concrete products are local, long-lasting and low-carbon, which is why they are ideal for building the sustainable communities and infrastructure required in the UK.

Concrete is versatile in both its mix design and the manner and shape of casting, offering potential to produce a wide range of products. This enables producers and designers to make the most of concrete's many inherent performance benefits which include resilience to effects of fire, water and many chemicals; acoustic and thermal efficiency; resistance to insect attack, rot and mould growth; and inert and robust qualities. With these material benefits, as well as the versatility, it is not a surprise there is such a wide range of factory-produced precast products which are so widely used. Being local as well, precast concrete products are ideal for delivering a sustainable built environment.

British Precast is now part of a wider MPA family, which can champion the benefits of concrete and our products to the wider industry and government. As part of this wider family, we are also well placed to maximise our influence in the areas which have an impact on producing, marketing and selling precast concrete in the UK. This

includes influencing the work of broader groupings within the UK, such as the Construction Products Association, and internationally by influencing bodies such as the World Business Council for Sustainable Development which produces outputs potentially having an adverse impact on UK producers.

Much of British Precast's work remains focused on core activities such as health and safety, training, sustainability, and technical and marketing activity. Across these areas, collective action is more effective and efficient than sole efforts by companies. In the pages of this review, such work is explained more fully.

Product-specific work is, similarly, more efficiently conducted by product associations; particularly in relation to product standards. British Precast is pleased to support, and proud of the work of, all the product groups. This annual review provides a celebration of their achievements over the last 12 months.

Celebration is also the theme of the Health & Safety, Innovation, Sustainability and Project Awards. All shortlisted entries in the 2014 awards are featured within this annual review. The winners will be announced in May at our 50th Anniversary Annual Awards. Fifty years is also worthy of a special celebration,

and will be marked with the launch of a commemorative book. As an industry, we can look forward with confidence to the next 50 years because our material is ideal for delivering a sustainable built environment.

Andrew Minson, Executive Director



Health & Safety

Eliminating accidents and near misses in factories, on the road and on construction sites is the objective of British Precast; there is no more important target than this. Good progress has been made in moving the precast sector to below the UK manufacturing average for accidents; 10 years ago, we were four times worse than average.

All members of British Precast must sign the Concrete Targets pledge, under which they are obliged to work together to make the industry as safe as possible. Our latest phase of the Concrete Targets programme sets a target of a 50% reduction in accidents in the five years to 2015. The industry was on target in the first two phases that began in 2001, and continuing this progress is a priority.

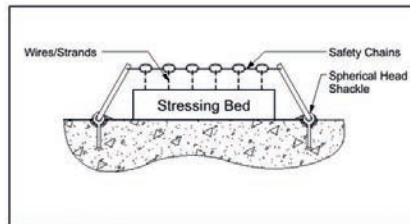
We focus on risk areas when prioritising areas of focus. Therefore, over the last year, we have worked on guidance for factory prestressing and safe methods for finishing stairs in factories - both of which had fatalities in 2012. We also continue to work on transport issues, primarily through the Building Products Delivery Working Group, and guidance for the safe installation of products on site. Safety and Health Awareness Days (SHADs) are held jointly with the HSE.

Prestressing Code of Practice

Prestressing of concrete, either by pre-tensioning or post-tensioning, is potentially dangerous by the very nature and scale of the forces used. Pre-tensioning (tensioning the strand/wire before the concrete is cast) is a vital manufacturing process allowing concrete elements to be produced with optimised dimensions, reduced weight and minimal materials consumption. The scale runs from small house lintels to 100-tonne bridge beams.

The Code of Practice has been developed over the last 12 months in collaboration with the HSE, with good input from members in developing the document. The document will be formally issued to HSE for endorsement, to ensure it is recognised as the standard to be met in all pre-stressing/pre-tensioning operations. During this approval process, a final consultation with members and the

Image from prestressing Code of Practice



Placing of Safety Chains

wider industry will take place. However, implementation of the requirements of the document have already commenced, and should continue even before formal HSE endorsement to improve the safety of operatives carrying out this task.

Building Products Delivery Working Group (BPDWG)

BPDWG is a committee of manufacturers, customers, logistics and transport companies and regulators (HSE). British Precast is a key member of the group, and many of our manufacturer members support and attend group meetings. The aim of BPDWG is to aid in developing and sharing good practice in the Building Products Supply Industry for loading, moving and unloading goods safely, with

Judith Hackitt, Chairman of the HSE presenting Concrete Targets 2015 Award



advisory leaflets and posters widely circulated to the supply chain. For further information, see www.bpdwg.co.uk

Safety & Health Awareness Days (SHAD)

In 2013, a 'legal' SHAD aimed at directors and senior management was introduced. The event was held at the offices of Shakespeares Solicitors in November in Leicester, and was well received by attendees with a number of members requesting a repeat event in 2014. The SHAD was supported by the HSE and Shakespeares Solicitors.

A 'practical' SHAD focusing on key operational issues, aimed at managers/supervisors and operatives, was held at the Aggregate Industries site at Hulland Ward in Derbyshire in March. The SHAD included four seminars covering:-

- Incident Investigation
- Load Security
- Manual Handling
- Silica

This SHAD had the assistance of experts from the HSE, VOSA and Mentor Training and, again, was well received with further requests for a repeat event.

Safer by Competence Scheme

A primary means of delivering improved safety is by having a competent workforce. The Safer by Competence Scheme comprises two stages: developing a framework of skills, courses and qualifications, and companies implementing a training and qualifications programme.

The first stage was completed during 2013/14, and the next stage is to encourage members to register and to start improving competence levels by investing in training. The Mineral Products Qualification Council has been working with British Precast to develop training schemes and qualifications.

Delegates at SHAD 2014



An increase in the supply of training available can only follow greater demand from industry. With the safer by competence framework established, members can have confidence in choosing training to invest in.

Hefin Jones presenting Safer by Competence at SHAD 2014



Safer by Competence

STATUS	OPERATIONAL EMPLOYMENT (Excluding Office-based)		QUALIFICATIONS & LEVELS					NEED TO MEET NATIONAL OCCUPATIONAL STANDARD (S) Relevant to Job Function	DEADLINES	
	BASIS	LEVEL	S/NVQ	QCF	ACOP	CPD	Other Routes		100% Engagement	100% Achieved
British Precast [BP] Members (Strongly Recommended)	Directly Employed	Management	Level 4	Diploma Level 4		BP Endorsed	See Below	YES	30 June 2015	31 December 2016
		Supervisory	Level 3	Certificate Level 3		BP Endorsed		YES	30 June 2016	31 December 2017
		Maintenance	Level 3	Diploma Level 3		BP Endorsed		YES	31 December 2016	31 December 2018
		Process Operative	Level 2	Cert./Dip. Level 2		Site File		YES	31 December 2017	31 December 2019
		FLT Operative			AITT/RTITB Accredited	Periodic Re-test		YES	Immediate	Immediate
		Or... Specialist Qualifications (refer to MPQC Qualifications spreadsheet)							YES	31 December 2017
Contractors & Sub-Contractors (All Trades)		Appropriate Site/Company Induction plus Contractors Safety Passport							31 December 2018	

Sustainability & Environmental Performance

Achievements

As part of the *Raising the Bar* initiative, all full member companies of British Precast are now committed to the Precast Sustainability Charter. British Precast is probably the first trade association to introduce such a measure as part of its membership requirement. We are now able to report KPIs for six different precast product categories, and feedback and advice on different sustainability indicators and metrics.

The initiative is proving to be a major motivator for the precast industry, with many manufacturers introducing measures to reduce energy consumption, eliminate waste and implement environmental and sustainable management systems. In 2012, we achieved 12 of our 14 KPI targets. Our members (and their supply chain) have collectively managed to save up to 0.14 million tonnes of CO₂ (compared to 2008 baseline), energy consumption (per tonne) at precast factories went down by almost 20%, and waste to landfill was drastically reduced to a quarter of 2008 figures. As a result, British Precast's *Raising the Bar* was the only business sector initiative shortlisted for the Best Campaign Category in the 2013 Climate Week Awards.

We have approved a new set of targets

for 2020, targeting energy, carbon, quality management and responsible sourcing systems (ISO 9001, ISO 14001, BES 6001); water use reduction; waste reduction; and H&S training. The new targets are aligned to the Sustainable Concrete Industry Strategy targets and the construction industry Low Carbon Routemap to 2050.

In August 2013, we published the Precast Resource Efficiency Action Plan (REAP), which we will use to address sustainability across the

REAP launched in 2013



supply chain of precast concrete products. We are already coordinating with a wide range of stakeholders and hope to complete some of the major actions this year including: assessment of precast wastage at construction sites; development of internal case study information sheets to help SMEs within our sector to benefit from lessons and solutions developed by other member companies; and an info sheet looking at water efficiency and the benefits of rainwater harvesting.

Recycling; an important part of resource efficiency



One of the challenges being assessed by British Precast is the preparation of guideline rules and development of Environmental Product Declarations (EPD) in accordance with CEN/TC350 standards. British Precast is also looking at means for the sector to contribute to Building Information Modelling (BIM), with generic BIM objects considered for development covering the main types of standardised precast concrete products.

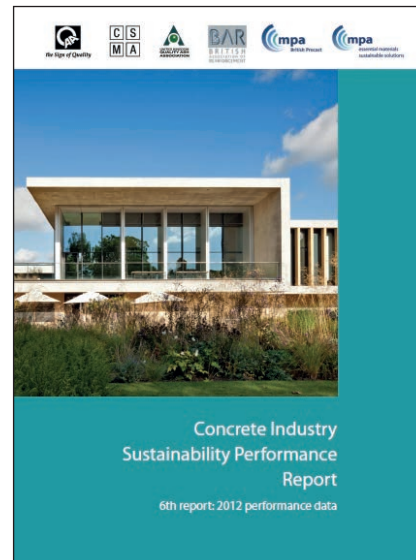
Sustainability strategy

Seven years ago, the UK concrete industry formed the Sustainable Concrete Forum (SCF) and, since then, has published a yearly progress report. In 2012, the industry collectively met its performance targets in relation to environmental management, quality management, CO2 emissions, emissions to air and water, waste and waste materials as an alternative source of energy. Progress on health and safety is on track for our 2014 target. A number of 2020 targets have been agreed for the industry.

The vision is for the UK concrete industry to be recognised as a leader in sustainable construction by taking a dynamic role in delivering a sustainable, zero carbon built environment in a socially-, environmentally- and economically-responsible manner.

British Precast is a key member of SCF, and has developed its sector strategy in close cooperation with the Forum and its members. We were the first sector to agree to publish KPI targets; many member companies have benefited individually from our close attention to energy, waste, water and materials issues. Our first *Sustainability Matters* report on performance against 2020 targets was published in May 2014.

Sixth Sustainability Performance Report



Sustainability Matters 2014 Publication



Technical

As the trade association representing producers, British Precast is in the best position to conduct technical work in collaboration with, or on behalf of, its members. This work mainly revolves around British and European standards and building regulations; all of which British Precast is a stakeholder in by mandate. Specific technical work on particular products is addressed by their niche associations, whereas overarching issues for all precast production, such as impact of standards for constituent materials, are dealt with by British Precast.

Our links with BIBM, and work through British Standards shadow committees feeding into European committees, enables us to influence changes to European standards.

Another aspect of technical work is developing an understanding of competitor offerings, enabling appropriate responses such as lobbying government, influencing standards committees and marketing.

Despite tight resources, British Precast is effectively conducting such technical work. This is helped by ensuring our work dovetails with that of The Concrete Centre on concrete performance and design, with Mineral Products Association on constituent materials and with Construction Products Association on building regulations.

High-impact topics requiring significant investment of time in the past year have included CE Marking, Environmental Product Declarations Standards (EPDs) and Responsible Sourcing Standards.

CE marking was introduced in July 2013, with British Precast's preparation work easing the transition. Standards for EPDs will heavily impact on the future environmental competitiveness of our products, and will require significant effort and input. Responsible Sourcing Standards are being revised and British Precast has worked hard to ensure their positive benefit to our sector over recent years is maintained throughout the revision process.

For topics such as energy performance of buildings, extensive work has been conducted at both product-specific level (such as guidance on product U-values) and at an overarching concrete level by The Concrete Centre.

Technical input results in changes, which need to be communicated to members and their direct and indirect customers. Seminars and briefing notes for members ensure technical changes can be incorporated into businesses in the most cost-effective manner. Investment of time, energy and money in technical guidance and technical support

for contractors, clients and designers is worthwhile, as it facilitates understanding of how to use and specify precast products.

Our appreciation is extended to all who have helped with the technical work in the past year, and thanks are given in anticipation of your future contributions.

Cliff Billington having received his MBE



Marketing

While digital communication plays an increasing role in spreading the message, many parts of the construction industry remain wedded to traditional communication channels.

In total, we manage 15 websites and microsites. The British Precast website is due for a redesign later this year but still serves us well. The redesign will provide an improved platform for product groups, with the intention of bringing all precast web presence into a family of websites. This family will enable efficient delivery and management of the sites and consistency of user experience but retain uniqueness for product groups.

Our social networking effort is all done in-house, with a focus on Twitter. Following the industry trend, Linked-in is used as a signpost. Our Twitter site – now with 2,700 followers – offers a means for us to disseminate members' news, precast news and our British precast and product group activity, as well as participate in construction industry networking.

For the previous three years, we have run a successful and popular Precast and Masonry Village at Ecobuild supported by member companies and product groups who can consequently buy space at affordable rates. For Ecobuild 2014, British Precast secured a stand alongside five members despite more difficult negotiations with new organisers. We already

have plans for the biggest concrete village ever, including seminar space, at Ecobuild 2015. If you would like to exhibit, please contact the office.

Our annual PRECAST event in May is now established in the calendar, with its unique blend of expo and seminars built around the AGM. In 2014, the exhibition runs all day, with additional features for delegates including Speed Networking for manufacturers and suppliers. Another first is an afternoon seminar, hosted by The Concrete Centre, for specifiers and contractors.

Press features and articles are placed on a regular basis; readership habits are changing rapidly and the channels of design and construction press are increasingly digital.

In November, the Creativity in Concrete Award was presented to Sir David Chipperfield. Both individually and through his firm, David Chipperfield Architects, Sir David is recognised for pushing the boundaries in designing structures using concrete with both unique aesthetic and functional qualities. While competition was fierce, British Precast was pleased to honour Sir David Chipperfield with the Creativity in Concrete 2013 Award in recognition of his incredibly inspired work and for being a fantastic ambassador for concrete.

Previous winners of the Creativity in Concrete Award have included:

- 2012 – Niall McLaughlin Architects
- 2011 – Tonkin Liu Architects
- 2010 – Caruso St John Architects
- 2009 – Jaume Plensa
- 2008 – Jørn Utzon
- 2007 – Carol Vincent

Such a prestigious award generates its own press coverage, which benefits the whole precast sector.

Our most successful publishing venture, the Little Books, have now been taken up in Australia, Austria, Belgium, Finland, Germany, Italy, Poland, Spain and the USA, with 300,000 copies printed. We have high hopes for Chinese and Indian versions in the coming months.

British Precast at Ecobuild 2014



International Collaboration

British Precast has been working with BIBM staff Alessio Rimoldi and Zsuzsa Toth as part of a new European Concrete Platform campaign, The Concrete Initiative, targeting European Commission staff and members of the European Parliament. Included in the campaign is a manifesto signed by the presidents of the three European cement and concrete bodies (BIBM, Cembureau and ERMCO) pledging to:

1. Work with key stakeholders to develop a blueprint for filling the affordable housing gap in Europe.
2. Work with policy-makers and relevant stakeholders to study the economics of sustainable construction.
3. Engage with education institutes to encourage skills development for the concrete industry.
4. Provide industry input to European standards to further the goals of a low-carbon Europe, and maximise the use of recycled products.
5. Promote life-cycle analysis of buildings in accordance with European standards, by providing the necessary Environmental Product Declarations (EPDs),
6. Provide guidance to specifiers, architects and builders on maximising the advantages of the thermal mass of concrete, contributing to greater energy efficiency.
7. Further develop best practices for rehabilitating quarries as protected biodiversity hotspots.

The Concrete Initiative was launched in May at an event in Brussels.

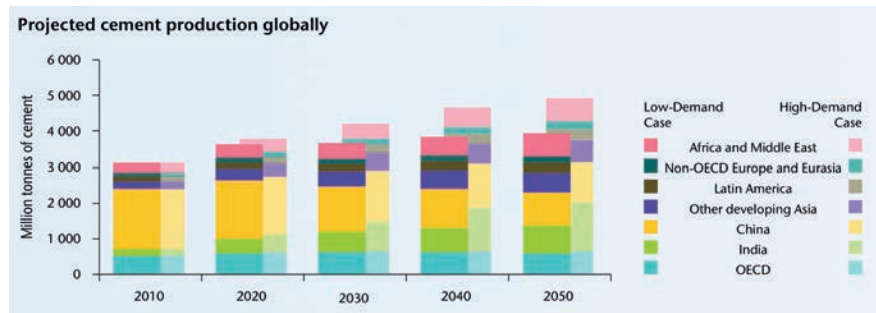
In the second half of 2014, the focus will be on six policy priorities with a series of open days in October and a European Parliament event in November, followed by thematic discussions in the Parliament in the form of regular breakfast and lunch events through 2015.

Also in Europe, following an exploratory working lunch with senior politicians, the Masonry Alliance - Europe was formed to unite European representatives of mineral-based masonry industries. The founding partners of Masonry Alliance - Europe are:

- Autoclaved aerated concrete industry (EAACA)
- Calcium silica industry (ECSPA)
- Clay bricks and blocks industry (TBE)

– Concrete blocks industry (BIBM)

The chart shown here was produced recently by the Cement Sustainability Initiative [CSI], part of the World Business Council for Sustainable Development. CSI included it in a report for its Indian members, and it indicates the transfer of demand for concrete from West to East will continue through to the midpoint of the century. Low and high growth scenarios indicate anticipated changes in demand by volume and location, driving renewed interest in global cooperation. The British Precast Council has set Martin Clarke the task of reporting regularly on international and innovation developments, following the signing of the agreement with MPA. Building on our strong international associate network, further efforts will be made to enrol other countries.





HELPING TO KEEP BRITAIN'S CONSTRUCTION PROJECTS ON TRACK... NOW AND IN THE FUTURE

At CEMEX we believe in building and building a better future for everyone.

So we ensure that wherever and whenever possible our solutions help to balance the needs of the built environment with a commitment to the natural environment.

By delivering safe and sustainable solutions with first class customer service our customers and the communities in which we live can rely on CEMEX.

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Health & Safety Awards: 2014 Shortlist

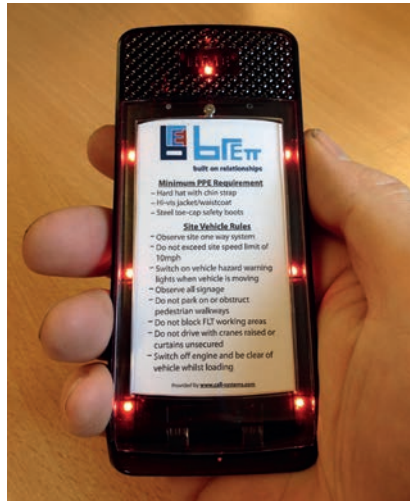
Hanson

Hanson developed a health and safety week to engage employees across all parts of its business. The week had high levels of participation, gained excellent feedback and has resulted in reduced LTIs and an on-going internal conversation on H&S. Activities were designed to impart vital information and helped employees to take ownership of their health and safety both at work and at home.



Brett Landscaping

Brett Landscaping introduced a traffic management system at its Cliffe site. The business has addressed a high risk issue of potential collisions between both vehicles and pedestrians with demonstrable benefits. A forward-thinking approach has resulted in risks being removed or addressed with protection measures. Positive feedback from Wincanton is testament to the success of the project.



Forticrete

Forticrete identified that failure to isolate power to machinery has been a cause of near misses and incidents during maintenance and cleaning. Forticrete therefore developed a procedure called 'Lock-out, Tag-out and Try (LTT)' which safeguards personal safety and the safety of working colleagues during cleaning, maintenance and repair activities. The judges were enthusiastic about "a comprehensive package of training and visual communications that can be readily adopted by others."



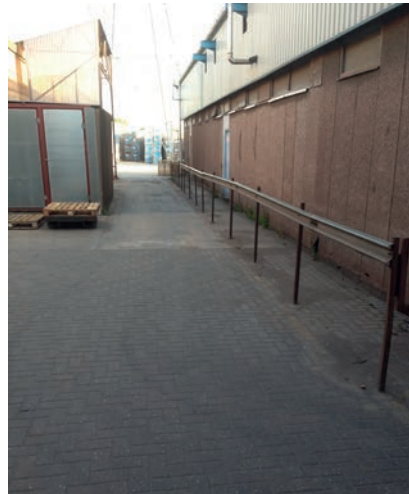
Charcon

Charcon's Morpeth site introduced plasma cutting to its T beam production but found that trailing cables and manual moving of the plant introduced risks. Consequently, its solution was to design and build a purpose-built trolley that incorporates cable reelers and overhead monorail. With this trolley, all hazards and problems previously experienced have been eliminated.



Brett Landscaping

Brett Landscaping refurbished its Poole site to address a root cause of workplace incidents. This improved staff morale, whilst also minimising any potential health and safety issues related with poor housekeeping. There has been a positive impact on the entire workplace, and this facelift has delivered a safer work environment and culture.



Stanton Bonna

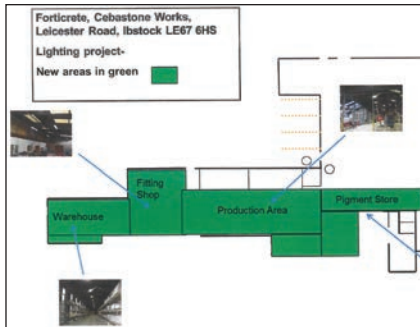
Stanton Bonna's pipe lifter avoids the need for working at height during offloading. After a comprehensive development programme was put in place, the solution has now been readily adopted across sites and by customers. Carillion's Health and Safety Officer stated: "Absolutely brilliant - we immediately adopted it for best practice for pipe offloading."



Sustainability Awards: 2014 Shortlist

Energy efficient lighting (Forticrete)

Improvements were made to the lighting system at Forticrete Cebastone cast stone factory. The new efficient lighting system has higher durability and better colour rendering and efficacy, as well assensor systems to save on energy consumption. The system is expected to make a 69% saving on annual lighting energy.



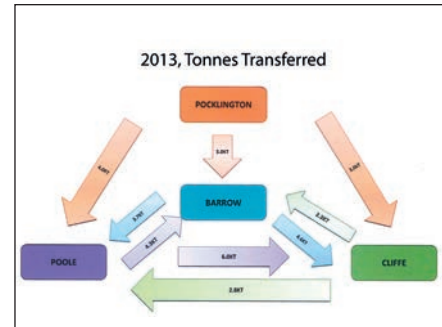
Low carbon concrete sleepers (CEMEX)

CEMEX started its low-carbon sleeper project in 2013 at the Washwood Heath factory, where trials were carried out in collaboration with numerous internal disciplines, and externally with BRE, using cement replacements. Results showed embodied carbon reductions of 11.5% and Ecopoint score reductions of 8.5%.




Maximising efficiency of intersite product transfers (Brett Landscaping)

A forecasting model was developed by Brett Production Planning Department (with help from Wincanton), to link production planning with scheduled customer deliveries and help reduce stock transfer between four main production sites within Brett. The model helped reduce transfer requirements by 17,300 tonnes, saving 77,000 litres of fuel in 2013.




Hanson commercial sustainability training (Hanson UK)

As part of Hanson's stakeholder engagement programme, training was carried out with 140 of its sales staff to increase awareness of the main sustainability challenges and how to promote products' sustainability credentials to the customer base. The course covered a wide range of issues and methods, and has increased staff confidence and belief in their company as a sustainable business.



BES 6001
Responsible Sourcing
www.greenbooklive.com



Hanson
HEALTHLAND GROUP

BES 6001 and the responsible sourcing of construction products

With the Government's increasing focus on sustainable development, many construction companies are recognising the need to prove that their buildings are built with sustainability in mind. One element of this is in the responsible sourcing of products used in their construction with the aim of good things passed to the manufacturers.

What are the benefits to the customer?

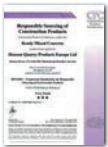
- Demonstrate to stakeholders that products are sourced responsibly
- Make more informed decisions when selecting suppliers
- Improve overall social and environmental performance throughout the supply chain
- Gain access to premium results in schemes such as BREEAM and Code for Sustainable Homes (see table below)

How can this be demonstrated?

Within the heavy building materials sector the BRE (Building Research Establishment) standard BES 6001 is used to enable construction product manufacturers to demonstrate that their products have been made with responsibly sourced constituent materials. The standard describes a framework by which the organisation, supply chain management and environmental and social aspects can be assessed.

Achieving the standard

To achieve the standard both Hanson and its suppliers need to demonstrate they have effective management systems in place (quality, environment and health and safety) as well as reporting against specific sustainability targets set by Hanson.



Business Line	ISO Rating	BREEAM Star	Code for Sustainable Homes
Aggregates	Very Good	3	1
Aggregates Base	Very Good	3	1
Asphalt	Good	4	3a
Gravel	Very Good	3	1
Concrete	Very Good	3	1
Concrete	Very Good	3	1
Precast/Ready-Mix	Good	4	3a
Pavements	Good	4	3a
Product Products	Good	4	3a
Thermolite	Very Good	3	1

Thermalite EPD (Hanson UK)

Hanson Thermalite has produced the first product-specific Environmental Product Declaration (EPD) to EN 15804, using the BRE category rules and scheme. It is the first EPD for UK-based precast product based on the new standard, and offers a strong basis for improving the design of the product and reducing its impacts effectively.



Associate Members - Winner

Manufacture of carbon negative, lightweight aggregates (Carbon8 Aggregates)

Carbon8 has developed unique, lightweight aggregates, manufactured using waste CO2 gas in a patented process known as 'accelerated carbonation'. The aggregates have captured more CO2 than emitted in their manufacture, and thus are carbon negative. Once in full production, 2,900 tonnes of CO2 will be captured per year (equivalent to planting 290,000 trees).



Grace Congratulates the British Precast Concrete Federation



Build with Grace

..... bringing value, innovation and
solutions to the Precast Industry



GRACE

Grace Construction Products
830-832 Fountains Court,
Birchwood, Warrington, Cheshire,
WA3 7QZ. T +44 (0) 1925 855330

www.graceconstruction.com

CARES Sustainable Reinforcing Steel



SUSTAINABILITY

For further information about CARES and an up-to-date list of manufacturers and suppliers holding CARES certification please consult the CARES website: www.ukcares.com

Alternatively, contact the office:-
UK Certification Authority for Reinforcing Steels,
Pembroke House, 21 Pembroke Road,
Sevenoaks, Kent TN13 1XR

Telephone - 01732 450000
Fax - 01732 455917
E-mail - general@ukcares.com

Project Award: 2014 Shortlist

Robinson Court, Matlock (Forticrete)

Cast stone was used in lieu of natural stone in this prestigious and historic project.

Forticrete provided the necessary evidence to obtain client and planner approval to use a concrete-based alternative to natural stone, and seamlessly replicate the colour and texture at a fraction of the cost. The local planning authority and architects were unanimously impressed.



10 Finsbury Square, London (Evans Concrete Products)

Over 350 reconstructed stone panels were produced to deliver a wave-like facade. The architecture placed onerous requirements with respect to consistency of colour and texture, fixing requirements, insulation, fire stopping and acoustic specification.

The planners required a finish in keeping with the Portland stone of other buildings in Finsbury Square, and this was delivered.



The Forum, Southend on Sea (Decomo)

'Decomo through their flexibility, ingenuity and positive approach completed the installation to an exceptionally high standard': Project Director Wates. The challenges encountered were in the production of units; for example, replication of finish on moulded and un-moulded faces through acid etchings and details in the panels specifically to facilitate installation.



Jewish Community Centre, London (Sterling Services)

Adrian James Architects conceived of a house, Hilltop House Oxford, where all the main elements are polished panels of precast concrete. Cornish Concrete's crosswall system has been refined over the years on large scale projects and this expertise was brought to bear on this domestic celebration of precast concrete. Despite the small footprint of the four level house, the abiding impression is one of space flowing in all directions.



Birley Fields MSCP, Manchester (SCC)

A high standard of concrete finish has been combined with carefully designed connections which avoid corbels and sharp angles to provide an aesthetically pleasing outcome. Furthermore, lighting has been recessed into SCC's 3.6m-wide, 15.6m-spanning flooring system. The bespoke concrete frame permits the use of warped floors ensuring minimal use of ramps and maximising utilisation of space..



Hilltop House, Oxford (Cornish Concrete Products)

Sterling Services was chosen to deliver the vision of architects Lifschutz Davidson Sandilands for the new Jewish Community Centre in Finchley Road London. In addition to balcony units, the project presented Sterling with some complicated design and mould manufacture challenges to achieve the asymmetric ribbed effect to the façade panels. Meticulous construction of the timber moulds and careful curing and handling delivered an outstanding result.



Innovation Award: 2014 Shortlist

Brett Landscaping

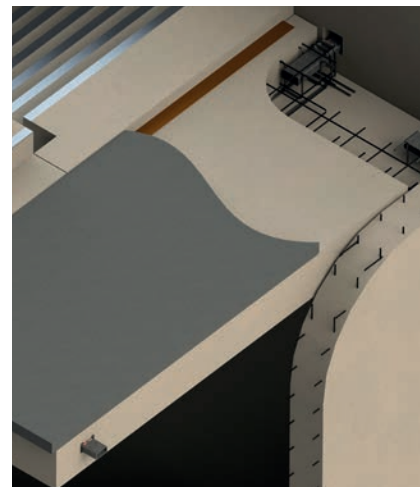
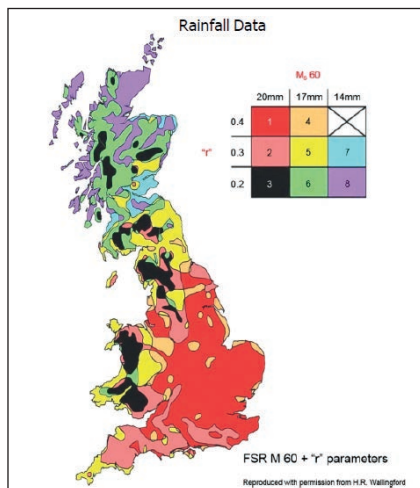
Brett Landscaping is making sustainable urban drainage systems more accessible to developers, pavement designers and local authorities. Its PERMCALC pavement design software has brought together all the structural and hydraulic design aspects. Users have a friendly software interface to input site data, lead them through design choices and report results. It is comprehensive in both the options available and its output detail, and yet retains simplicity for users.

CPM Group

CPM Group used an innovation to help deliver an extended quay wall for Rhyll. Rather than conventional steel sheet piles, CPM's Redi-Rock™ positive connection walling was chosen for its positive visual impact, and cost effectiveness. The contractor was able to install 30m² over a tidal cycle, with the whole construction of the 188m long, 7.5m high wall taking just 30 weeks. The site agent said: "I would definitely use this product again."

J&P Building Systems

J&P Building Systems' new design method is benefiting manufacturers of precast stairs and contractors. The innovation is the design justification for what forces need to be resisted and how the fixings provide the necessary capacity. It has removed the main obstacle to the wider use of precast stairs. Precast stairs are no longer a form of construction that needs complex design and features; it has become the easy entry option.



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Mineral Products Association (MPA)

MPA has deepened links with British Precast to provide members of both bodies with a full range of trade association services.

MPA is the UK trade body for the aggregate, asphalt, cement, concrete, dimension stone, lime, mortar and silica sand industries, and now also represents the interests of precast concrete. It has combined membership of 485 companies, and is the sector voice for mineral products. MPA membership includes most independent SME companies throughout the UK, as well as the nine major international and global companies. It covers 100% of GB cement production, 90% of aggregates production, 95% of asphalt and ready-mixed concrete production, and 70% of precast concrete production. Each year, the industry supplies materials and services valued at £9 billion to the £120 billion construction industry and other sectors. Total production by MPA members represents the largest materials flow in the UK economy, and also one of the largest manufacturing sectors.

Nigel Jackson, MPA chief executive, states: "As we see growth in demand for materials, we retain our lobbying against rising regulatory and operating costs; not least those related to carbon and energy. To its credit, the sector is still innovating, improving its health and safety performance and strengthening its sustainability credentials. The contribution the sector makes to the UK and its economy is beginning to be

communicated more effectively to government and other key stakeholders, and the message is getting through. Unity of thinking, purpose and voice enables sectoral influence to improve and grow and there is increasing evidence that collectively we are having a more effective impact.

"Working relationships with key departments such as the Treasury, BIS, DCLG, DEFRA, DECC and DfT are healthy and, with the evidence-based approach we are taking, the sector is seen in a more positive light as it provides policy solutions; whether on 'localism', taxation, cumulative impacts of regulation, investment in construction or biodiversity. An industry that is seen to be forward looking and providing answers to challenging questions with sound arguments and good evidence will increasingly be taken seriously by policy makers and influencers. The working arrangements between MPA and British Precast enrich this process and, together, we are best placed to tell the great stories our sector has to offer. If construction is part of the latent growth story the UK needs, as its biggest supplier, the mineral products sector and particularly precast concrete products, have important roles to play in shaping our future industrial strategy and we are increasingly well placed to do so."

www.mineralproducts.org

*Mineral Products
Today publication*



MPA Restoration & Biodiversity Awards 2013



MPA Chief Executive Nigel Jackson



The Concrete Centre

The ultimate mission of The Concrete Centre is to increase the use of concrete and masonry over alternative materials. To achieve this, The Concrete Centre uses its technical capability and marketing capacity to:

1. Influence stakeholders making material choices such as engineers, architects, repeat clients, contractors and developers.
2. Influence stakeholders likely to have an impact on material choice such as those involved with standards, regulations and planning, and in non-government bodies such as BRE and Zero Carbon Hub.

While individual companies may lack the capability and resources to influence material choice across this spectrum of professions, The Concrete Centre has the expertise and exist on behalf of, and for the benefit of, all in the concrete sector.

The Concrete Centre's technical market development activity delivers the 'why' and 'how' in terms of using concrete, using its technical expertise and integrity in marketing to gain credibility across the construction industry. By offering expert advice on the full range of concrete solutions available, The Concrete Centre can positively influence specifiers to choose an optimum concrete solution for their project over alternative materials.

During the last year, The Concrete Centre had thousands of face-to-face contacts with specifiers, offering expert advice in relation to their current and forthcoming projects.

The Concrete Centre does not work in isolation and, in the last year, collaborations have deepened with specialist bodies with a common remit and desire to grow the use of concrete. For example, a successful autumn roadshow was hosted by The Concrete

Centre with the Precast Flooring Federation, Structural Precast Association and UK CARES, among others and attracted large audiences of specifiers, contractors and clients.

www.concretecentre.com

Concrete Quarterly



Concrete Elegance Event



Cost Seminar



Architectural & Structural Precast Association

ASPA brings together the former separate associations, representing structural precast and architectural cladding, and was formed in 2014.

Manufacturers of architectural and structural precast have been working with British Precast on a wide range of initiatives over the last year. One of the main initiatives is a Code of Practice (CoP) for the safe installation of structural and architectural precast elements. This crucial health and safety (H&S) document merges two CoPs for structural and architectural elements first published in the late 1990s and early 2000s.

There have been a number of changes to H&S regulations and requirements over the last 10 years (including updates to CDM regulations and the introduction of requirements for safe transport and offloading of vehicles at construction sites). This led to the associations of architectural and structural precast manufacturers to join force and draft a new CoP for their sectors. This follows and will be aligned with another successful precast industry CoP for precast floors updated and republished in May 2013.

ASPA is also working closely with The Concrete Centre on a new guide on specification of precast concrete cladding, addressing aspects such as concrete finishing and appearance. This is an important document as it combines information on precast cladding specification

from a number of sources (including NBS, NSCS, CEN/TR 15739 etc), targeting architects and other specifiers in the industry.

Members of ASPA are also facing the introduction of Environmental Product Declarations (EPDs) and Building Information Modelling (BIM). By working with British Precast on two sector-wide initiatives, these challenges can become opportunities.

The first looks at developing EPDs for structural and architectural precast products, in accordance with the new EN 15804. As more specifiers and architects ask for such information, it is becoming crucial for manufacturers to improve their embodied environmental impacts and products' carbon footprints, and the first step to achieve this is by developing and understanding EPDs.

Buchan Concrete Solutions, Zero Carbon Classroom, winner of Innovation Award 2013



The second initiative is associated with the Government's decision to make all public procurement projects BIM-enabled by 2016. This will require the precast architectural and structural sectors to supply solutions and specifications allowing for the proper use of precast solutions in such BIM-enabled projects. The answer will be to provide generic information on behalf of all members to ensure members' products are incorporated into BIM models.

SPANews 2013 Newsletter



Aircrete Products Association (APA)

APA represents the interests of four UK Aircrete manufacturers: H+H Celcon, Hanson UK, Quinn Building Products and Thomas Armstrong. Together, these manufacturers dominate market share of Aircrete blocks in the UK. APA works through three committees, the Principals, Marketing and Technical, which all hold regional meetings regularly throughout the year.

APA was proactive in a number of areas in 2013. One of its key success stories was the publication of the Third Handbook of Details on Aircrete solid wall constructions, developed by Constructive Details with extensive input from the Association.

APA works collaboratively with numerous other trade bodies. An example of this is its input to the NHBC Foundation's Part L 2013 Where to Start guide, highlighting the importance of thermal bridging and recognition of Aircrete Constructive Details as an example of high-performance construction helping customers gain significant benefits and cost savings. Various research and other projects are undertaken throughout the year to gain both cost and efficiency savings for members.

APA's close liaison with European bodies ensures the interests of UK Aircrete manufacturers are represented and supported

worldwide. The Technical Committee is highly involved in CEN and BSI work; in particular updating Eurocodes and revising dangerous substances standards. The Association's representation at European level is proven to be influential, and is enhanced by its involvement in the formation and development of the European Masonry Alliance. As a result, APA is able to affect many industry regulations for the benefit of Aircrete manufacturers.

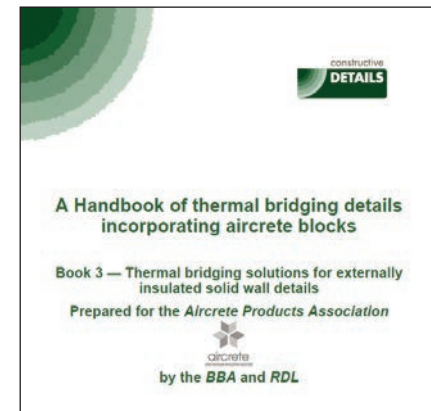
The APA Marketing Committee works efficiently to ensure all projects and developments by the Principals and Technical committees are marketed effectively to the construction industry and wider public. The APA website – is regularly updated with the latest news and technical information from the Aircrete industry. Technical datasheets are available for download, covering performance, application and systems of Aircrete use.

One of the key projects for the Association's Marketing Committee in 2014 will be



promotion of the changes in Part L regulations. The Committee works closely with the trade press to ensure developments such as this are highlighted in the wider industry.

www.aircrete.co.uk



Box Culvert Association (BCA)

BCA has three member companies supplying the majority of concrete box culverts used in the UK: Hanson Concrete Products, Milton Precast and F P McCann.

The introduction of Eurocodes continues to dominate the BCA's dialogue with its designer and customer base. BCA is currently working on a new guidance document for the highways sector, outlining the impact of Eurocodes on box culvert design following the withdrawal of a number of BSI standards and highway specifications.

BCA also continues to monitor EN 14844 and how its Annex Z is expected to change, to account for recent changes to CE Marking (which will not affect the status of box culverts as CE Marked products).

BCA's Marketing Committee is working on a new brand and identity for the Association, in

line with recent developments and changes in the industry.

The sustainability of box culverts, as a locally sourced alternative with a relatively lower carbon footprint, is highlighted by factsheets.

The versatility and flexibility of culverts, with their many applications, is part of the Association's new message and a new website is about to be launched. It focuses on the advantages of box culverts and offers case studies to illustrate how the product can be used.

BCA is also updating its current literature with a number of publications withdrawn, and new publications proposed for 2014.

www.boxculvert.org.uk



Concrete Block Association (CBA)



CBA represents over two-thirds of all block manufacturers in the UK. Many new full and associate members have joined over the past year, and the Association continues to proactively seek new members.

The CBA Technical Committee has undertaken a number of projects this year to benefit members; for example, the development of Linear Thermal Bridging Details. CBA has a set of 17 junction details, and will be commissioning a further nine. The Committee has also been working on product standards throughout the year, and drafting Product Category Rules (PCR) for masonry products in preparation for Environmental Product Declarations (EPD). The Committee is represented on numerous industry bodies, to ensure the interests of its members are effectively supported in the UK, Europe and further afield.

CBA members receive the Newsround; a monthly newsletter with updates on its latest activities, and statistics on material prices, housing starts, concrete block sales and other areas. Also included are reports from the Technical Committee, the Modern Masonry Alliance and British Precast, to keep members informed on all developments. CBA publishes a promotional magazine, The CBA Update, annually for members to use

internally and externally. The CBA website is regularly updated with news, datasheets and industry regulation information, while a members-only online portal gives access to exclusive documents.

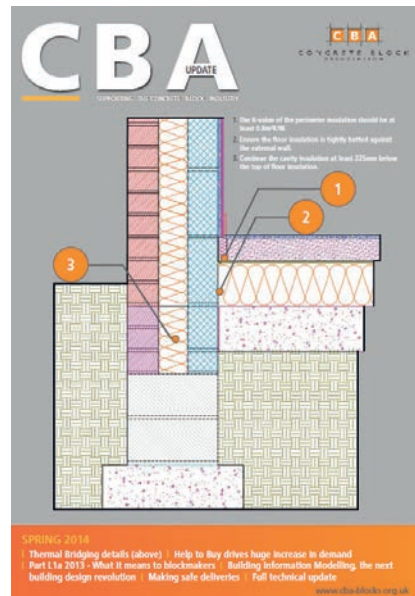
Regional meetings of the CBA Council and Technical committees are held regularly throughout the year, to keep members up to

date with activities. Concrete block sales have increased over the past year, and CBA plans to work rigorously in all areas, from marketing and technical input to political lobbying, to ensure the industry continues to develop and grow.

www.cba-blocks.org.uk

Andy Littler, outgoing CBA Chairman

CBA Spring Update 2014



Concrete Pipeline Systems Association (CPSA)



CPSA has four member companies supplying the majority of concrete pipeline products in the UK: CPM Group, FP McCann, Milton Precast and Stanton Bonna Concrete.

In 2013, further exposure was gained for the innovative, award-winning concrete pipe lifter, a simple device used on excavators to offload concrete pipes in an easier, safer, faster and cheaper manner. A pipe lifter website set up by CPSA is receiving a high monthly visit rate.

CPSA has focused on the proposed introduction of a new SuDS Standard in England and Wales, and how the concrete pipeline industry can offer precast concrete solutions to address the challenges of sustainable drainage. CPSA currently participates in drafting the revision to CIRIA's SuDS Manual, and a marketing campaign has been prepared to coincide with the introduction of the new SuDS Standard.

CPSA continues to convey a sustainability message, and engage with issues such as resource efficiency, embodied carbon and water. The Association will challenge output from manufacturers of competing product materials making spurious claims, and any other incorrect information being circulated within the industry. British Precast's work on EPD and carbon footprints, and a paper submitted for ICE proceedings, should help challenge negative claims about concrete solutions. Long-

term asset performance, whole life value, and differentiation between design life and service life are themes CPSA will continue to research and debate.

CPSA has also published information covering the new BS 5911-3 standard for concrete manholes (complementary to EN 1917) and project case studies in the UK and abroad; available for download from CPSA's website.



A new blog area was added to the website to provide a platform for opinion on hot topics.

CPD presentations and conference seminars remain an integral part of the CPSA programme, and continue to receive plaudits from attendees. Well over 1,500 delegates have attended CPSA's CPD seminars to date. A new CPD-certified and CIWEM-approved seminar on SuDS has now been added to its suite of accredited seminars.

www.concretepipes.co.uk

LEFT: 20 Reasons to use Concrete leaflet

BELOW: CPSA Concrete Pipe Lifter



Interlay, the Association of Paving Installers is the only independent trade association for block paving installation contractors of all sizes in the UK.

The Association is currently creating a new functional website, and has recently started a regular Twitter feed to promote useful information to the paving installation industry; reflecting the industry's progress in embracing new technologies.

Interlay members and staff have over the past year, with support and funding from Construction Skills, contributed to creating and launching the latest National Highways Sector Scheme NHSS 30. The scheme is aimed at improving installation quality of modular paving, and a new web-hub detailing the training and support available to installers has been launched by Interlay (www.interlay.org.uk/NHSS30).

Paramount Paving



NHSS 30, The Quality Management of the Installation, Maintenance and Repair of Modular Paving, will improve the installed quality of all types of modular paving including concrete blocks, flags, kerbs and ancillary products used in road construction. It will provide an industry benchmark, ensuring project processes are planned well and use properly trained and competent installers, verified by vocational qualifications and supported by the introduction of a CSCS card. The scheme focuses on continuous improvement, quality of installation and reduced ongoing costs for both clients and suppliers; a number of installation training manuals are being developed.

The scheme was developed by a technical advisory committee, including representatives from across the paving sector, including

Plumridge Paving



manufacturers, clients, contractors, suppliers, trade associations, training organisations and certification bodies, with Interlay as Secretariat.

Current activities at Interlay are aimed at heightening awareness of the Association and increasing its membership base. To reflect members' increasing range of skills, Interlay has amended the description of their activities to the broader 'Association of Paving Installers' in line with the development of the highways sector scheme and in support of the good installation of domestic paving; an area in which Interlay aims to improve standards in the coming years.

www.interlay.org.uk

Working on NHSS30 with Construction Skills



THE ASSOCIATION OF
PAVING CONTRACTORS

www.interlay.org.uk



NHSS30 sector scheme acknowledges the funding and support of Construction Skills in the development of this scheme.



www.cskills.org

Interpave, the trade association for the precast concrete paving industry in the UK, represents the interests of its members, who produce around 85% of the UK's concrete paving products. This includes concrete block paving, paving flags, kerbs and ancillary products used in the construction of surfacing; ranging from domestic applications through to the heaviest and most onerous paving installations, such as container ports.

Interpave provides support to specifiers, the purchase and supply chain, installers and end users through its highly successful website, which continues to grow in popularity and sees its download levels increase significantly year-on-year, in line with Interpave's objective to improve access to information. Many documents are produced in support of permeable paving, governmental guidelines and changes to legislation aimed at preventing flooding; particularly important in view of the recent flooding events across the country. Highlighting the excellent environmental performance of precast paving products, a new brochure, Environmental impact of paving, summarised the Green Guide, BREEAM and Code for Sustainable Homes.

As part of its continued commitment to supporting the wider paving industry, Interpave produces a popular e-bulletin, covering

such diverse subjects as hard landscaping, SuDS, masterplanning, urban design and sustainability.

The Association continues to work positively with the HSE on a range of health issues, including its working group set up to minimise risks associated with all forms of road construction, and to reduce operatives' exposure to potentially harmful dust arising from poorly performed cutting operations.

Interpave continues to support manufacturers with publications supporting a wide range of issues including precast concrete as a locally-based, British industry; providing national coverage while minimising transportation and supporting local economies and communities.

Interpave is currently working on further development of paving installation standards with BSI to ensure useability for both specifiers and installers alike.

As national government develops new legislation and guidance, key publications and case studies are continually updated to provide the latest guidance on environmentally-responsible permeable paving systems. The association remains actively engaged in the development of national standards for sustainable drainage, in support of the Flood and Water Management Act.

Fully committed to training and improving the quality of installation of their products, Interpave members have contributed substantially to the development of the National Highways Sector Scheme for paving, NHSS 30 - The Quality Management of the Installation, Maintenance and Repair of Modular Paving; actively participating in the development of the scheme, documentation, training and assessment requirements, and the development of training guides.

www.paving.org.uk

Permitted Paving Publication



Precast Flooring Federation (PFF)

PFF promotes flooring products across all building sectors, focusing on key benefits such as precast flooring's excellent performance characteristics in terms of acoustics, fire, thermal mass and robustness, as well as speed of construction. In addition, PFF members provide health and safety, quality and sustainability benefits to their clients.

A Code of Practice for the safe installation of precast concrete flooring and associated components was launched at PRECAST2013, and members have committed to mandatory audits of their direct and indirectly appointed installation teams. This is a measure of how seriously they take their health and safety responsibilities. This commitment provides a positive differentiator for PFF members working in a marketplace that increasingly recognises the importance of health and safety.

A differentiator for precast concrete floors over timber floors is the efficiency of underfloor heating systems when used with concrete. Together with other performance benefits, this may help concrete win market share in domestic upper floors which are currently dominated by timber.

The Federation is in discussions with under-floor heating manufacturers, and working with The Concrete Centre, to develop research

proposals to quantify the benefits that concrete offers.

Technical work underpins much of the marketing activity but also addresses issues in product standards; building regulations; queries from designers, contractors, clients and building control; and guidance for designers. Hollowcore-producing members have recently contributed to the revision of the Steel Construction Institute guide on precast composite floors, to ensure the technical guidance helps in the promotion of their product and ease of construction.

Members continue to benefit from PFF's statistical service, which provides historical data comprising volume/tonnage/linear metres used of each product.

Judith Hackitt, Chairman of the HSE, at PFF Code of Practice Launch



Press coverage has been maintained, with releases focusing on members' case studies, and preparations are in place to exhibit at Greenbuild Expo in Manchester in May 2014.

www.precastfloors.info

New PFF Members FP McCann sign Code of Practice Charter



Modern Masonry Alliance (MMA)

MMA is committed to working with customers, government and other decision influencers to maximise the use of brick and block construction in our environment.

By bringing together all stakeholders in the sector and encouraging wider collaboration across the construction sector, MMA aims to build on its success in delivering greater overall demand and increasing market share in masonry; whilst reducing the regulatory burden imposed on the sector.

The market is now enjoying its strongest period of activity since 2008, with NHBC reporting a 25% increase in registrations. Results from 2013 are expected to show a circa 12% overall increase in housing completions, over 2012, with a further 5% growth forecast for 2014. The longer term outlook is positive, with at least six years of consistent growth ahead.

This said, the market remains dysfunctional with a very high reliance on the South East. SMEs remain excluded from the market, due to lack of finance, and the social housing sector has seen a 26% decline.

NHBC housing statistics place timber frame market share in England at just 8% in 2013; its lowest for many years and a reversal of long-term trends.

Some share is now being lost to masonry inputs and other systems as a result of capacity constraints brought about by the sudden uplift in the market. The industry has taken decisive action to bring on more capacity and better scheduling, to address this issue in 2014.

MMA remains highly focused on Wales and Scotland, which are both considering the introduction of higher levels of thermal performance than England. MMA has already secured success in reining back the Welsh Regulations to a more sensible level.

The Welsh Futures Group Forum will oversee this work in Wales.

Part L 2013 will come into effect in April 2014. Delays in getting the supporting design tools in place means industry lacks the promised six months to prepare for implementation. This will have an adverse effect on seller house builders, who will experience higher than predicted costs of building until the ACDs become available.

The Housing Standards Review has backed MMA's call for the cessation of the Code for Sustainable Homes, and the Government has now announced the Code will be phased out to take account of existing contractual liabilities.

The 2013 Housing Summit was a success, with the out-going Shadow Housing Minister choosing to sign off at our conference. All the presentations are available to download at www.housingsummit.co.uk. The 2014 Housing Summit will take place on October 21, 2014.

MMA continues to lead on the need to get greater SME participation in the economic recovery. MMA is working with Coventry University, Aldermore Bank, FMB, NFB, Birmingham City Council and others to launch the first in what may be a network of local house building clubs across the UK. The overall aim, which has the backing of government and the major house builders, is to 'put the local back into house building'.

Housing Summit 2013





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> www.tekla.com/uk



Membership

British Precast membership has grown through the recession, testament to the benefit of acting collectively. Through the pages of this annual review, the range of collective activities by British Precast and the product groups has been showcased. Membership of British Precast gives access to the broader representative bodies of the Mineral Products Association, the Construction Products Association, BIBM - our European Precast body - and the European Concrete Platform.

Collectively, members can address issues that appear simultaneously as threats and opportunities. The issue of how to respond to CE Marking has been a good example of this in the last 12 months. Guidance and support from British Precast has helped members implement this requirement from Brussels.

Sustainability continues to be such an issue – both threat and opportunity - with the latest manifestation being Environmental Product Declarations. The British Precast Council has identified the particular opportunity/threat of this issue and agreed to fund a project; far more cost-effectively conducted collectively than by members alone or even by product groups. Your Council has also identified the importance of sustainability audits of all members and, from January, agreed to cover the costs of these audits.

With membership comes responsibility. Members are committed to the health and safety charter and to the sustainability charter. These charters, together with product specific charters, are part of the Raising the Bar scheme. Raising the Bar makes being a member, a badge of honour and a differentiator in the market place. Furthermore, stakeholders such as the Health & Safety Executive recognise the commitment of British Precast and its members to best practice as reflected in the scheme.





There are numerous benefits to British Precast membership, as illustrated in the tables to the right.

To apply for membership, please visit www.britishprecast.org or email info@britishprecast.org.

Guide to

CE marking

of precast concrete products



Charter Schemes

HEALTH & SAFETY CHARTER

CONCRETE TARGETS 2015

- An expectation of 'ZERO HARM' to all
- 50% reduction in LTIFR for direct employees by 2015 (Baseline 2010)
- 50% reduction in LTI for contractors by 2015 (Baseline 2010)
- Continuous improvement in accident severity ratio
- Development, implementation or maintenance of a strategy for Health and Safety initiatives and related training, and to manage our Health and Safety needs with competent staff appropriate to the needs of the organisation
- Implementation of maintenance of structured, inclusive Health and Safety meetings, with effective and appropriate consultation in line with our organisational needs
- Submission of quarterly statistics to British Precast



SUSTAINABILITY CHARTER

- Develop products that improve the quality and sustainability of the build environment
- Measure, report and improve performance on sustainability issues
- Manage all waste streams effectively and minimise waste disposal to landfill
- Minimise pollution and emissions with production and transportation
- Use energy more efficiently and reduce carbon footprint
- Use primary materials more efficiently and promote the use of secondary materials
- Use water more efficiently and minimise demand on mains water supplies
- Operate in a responsible manner to protect employees, contractors and visitors
- Operate in an efficient and financially sustainable manner without compromising legal, quality or sustainability principles
- Operate to the highest ethical standards necessary to develop a skilled and competent workforce
- Operate to the highest quality standards necessary to satisfy customers and consumers
- Protect and enhance the natural environment adjacent to or affected by precast production
- Liaise effectively with local communities to foster mutual understanding and respect
- Recognise that competition encourages the development of more sustainable product and practices
- Work constructively with other organisations to deliver sustainable policies and practices

Membership Benefits

	Full Member	Assoc. Member
Right to use British Precast logo	✓	✓
Sponsorship Opportunities	✓	✓
Web Links	✓	✓
Inclusion in British Precast Buyers' Guide and Bespoke Concrete Products Directory	✓	✓
Eligibility for Product Association Membership	✓	✓
Membership Benefits of the Construction Products Association	✓	✓
50% Discount on British Standards	✓	✓
10% off Environmental Profiling of Products by BRE	✓	
Free copy of the Directory of Concrete Products	✓	
Free Annual Conference Exhibition Package		✓
Priority booking and discounts on events	✓	✓
Priority in Press Features and Exhibitions	✓	
Regular Newsletters, Safety Alerts and E-mail Bulletins	✓	
Help and Technical Information Advice Service	✓	
Involvement in BSI and CEN Standards and Codes Committees	✓	
International Contacts via BIBM and other partners	✓	✓
Online British Precast Credit Forum	✓	✓
Industry and Supply Chain Networking Opportunities	✓	✓
Opportunity to Partner in Research	✓	
Sustainability Charter	✓	
Innovation and Sustainability Awards	✓	✓
Concrete Targets 2015 Scheme	✓	
Project and Safety Awards	✓	
Responsibly Sourced Materials Credit Scheme	✓	
Provision of Competition Act Compliant Culture	✓	✓
Discounted Tender Info Service from Builders Conference	✓	✓
Insurance Deals available from Heartland Insurance	✓	✓
Croner Advisory Hotline	✓	✓
Shakespeares Legal Advice	✓	✓
CRS Commercial Services	✓	✓

Full Members

FULL MEMBER

ABM Precast Solutions
 Acheson & Glover Precast
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 Aggregate Industries (UK)
 Amber Precast
 Barcon Systems
 Barnetts (Buglawton)
 Bell & Webster Concrete
 Besblock
 Bison Manufacturing
 Brett Landscaping & Building Products
 Broome Bros (Doncaster)
 Buchan Concrete Solutions
 Cast Advanced Concretes
 CEMEX
 Charcon Construction Solutions
 Collier & Henry Concrete (Floors)
 Cornish Concrete Products
 Coulthard Concrete Products
 CPM Group
 Creagh Concrete Products
 Cross Concrete Flooring
 Decomo UK
 Delta Bloc UK
 E & JW Glendinning
 Ebor Concretes
 Edenhall Concrete
 Elite Precast Concrete
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