British Precast Targets 2020

British Precast is pleased to announce that the following targets have been approved by BPCF Council in August 2013. All British Precast members are now committed to support the industry in achieving the following targets by 2020 compared with the baseline year of 2012:

- **Reducing overall kWh/ tonne of energy used in production by 10%**
- **Reducing CO_2 emissions for production by 20%**
- **Reducing overall factory waste by 10%**
- **Reducing factory waste to landfill to < 0.5 kg/ tonne**
- **Increasing the proportion of alternative cement additions (as a % of total cement) to 25%**
- **Increasing the proportion of recycled/ secondary aggregates (as a % of total aggregates) to 25%**
- **Reducing mains water consumption by 20%**
- **Reduction in accident frequency of 50% between 2015 and 2020**
- **Increasing the tonnage, as well as production sites, covered by an EMS (e.g. ISO 14001) to 95%**
- **Increasing the tonnage, as well as production sites, covered by a quality system (e.g. ISO 9001) to 95%.**
- **Increasing the tonnage, as well as production sites, covered by a Responsible Sourcing standard (e.g. BES 6001) to 95%**
- **Reducing the convictions for air and water emissions to zero**
- **Improving the capture of transport data up to 2015 (A target will be set for 2016)**
- **Increasing the % of employees covered by a certified management system (e.g. ISO 9001/ ISO 14001/ OHSAS 18001) to 100%**
- **Increasing the % of employees covered by MPA Safer by Competence training and qualifications to 100%.**
- **Maintaining the % of relevant production sites that have community liaison activities at 100%.**

+ Targets for OHSAS 18001/ Achilles production coverage, transport, and Lost Time Injury (LTI) to be set in 2015/ 2016
+ The 2020 targets will be subject for a review and update in 2016.

For further information, please contact
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or refer to the British Precast website:
www.britishprecast.org
www.bpcfcharter.com
www.sustainableconcrete.org.uk

RAISING THE BAR INITIATIVE

It is now a mandatory requirement for all companies joining British Precast to sign up to the Precast Sustainability Charter.

In order to help members keep track of their status under the Raising the Bar scheme and to highlight to clients, specifiers and customers the various management system credentials of members , British Precast maintains a microsite www.bpcfcharter.com

Climate Week 4-10 March 2013 Awards Finalist

This year, our initiative was recognised by one of the most prestigious and credible sustainability initiatives in the UK. Raising the Bar was the only business initiative to be shortlisted for this year's ClimateWeek Awards, best campaign category.

PRECAST SUSTAINABILITY CHARTER

The Sustainability Charter was launched on the 29th November 2007. Members were originally asked to make a voluntary commitment to the following requirements:

- Develop products that improve the quality and sustainability of the built environment
- Liaise effectively with local communities to foster mutual understanding and respect
- Manage all waste streams effectively and minimise waste disposal to landfill
- Measure, report and improve performance on sustainability issues
- Minimise pollution and emissions associated with production and transportation
- 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
- Recognise that competition encourages the development of more sustainable products and practices
- Use energy more effectively and reduce carbon footprints
- Use primary materials more efficiently and promote the use of secondary materials
- Use water more efficiently and minimise demands on mains water supplies
- Work constructively with other organisations to deliver sustainable policies and practices

PRECAST RESOURCE EFFICIENCY ACTION PLAN (REAP) AND ROADMAP 2020

A Resource Efficiency Action Plan (REAP) for the precast concrete industry has been developed with support from CERAM and WRAP and funding from DEFRA. The REAP addresses the entire supply chain of a precast concrete product. Performance has been assessed across six main product categories. A range of upstream and downstream SMART actions and targets have been set up as part of the REAP. The REAP will see the precast industry working with contractors, architects and builders merchants groups to address issues such as transport, pallets, and resource efficiency at construction sites.

The precast sector sustainability targets for 2020 were set up with two wider strategies and roadmaps in mind:

(1) The concrete industry sustainability strategy and roadmap to 2020, developed by the Sustainable Concrete Forum (SCF)
(2) the Low Carbon Routemap for Built Environment, developed by the Green Construction Board (GCB).

All precast targets for 2020 are fully aligned to the concrete industry sustainability strategy targets, including the following:

- Increasing the proportion of production sites covered by EMS or Quality Management systems to 95% by 2020
- Increasing the proportion of production sites covered by Responsible Sourcing standards (e.g. BES 6001) to 95% by 2020.
- Reducing waste to landfill by 90% (2008 baseline) by 2020
- Reducing CO_2 emissions from concrete production by 30% (1990 baseline) by 2020

Our 2020 targets for factory energy consumption and CO_2 emissions should also help us fulfil the GCB routemap target for Capital Carbon reduction by 21% in 2022 (2010 baseline)

For more information on the strategy and the concrete sustainability roadmap for 2020, visit www.sustainableconcrete.org.uk

For information on the Precast Resource Efficiency Action Plan (REAP), visit www.britishprecast.org

For information on the Precast industry sustainability strategy and 'Raising the Bar' Scheme, visit www.bpcfcharter.com

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SUSTAINABILITY MATTERS 2013

UPDATE OCTOBER 2013

SUSTAINABILITY MATTERS UPDATE OCTOBER 2013

We are pleased to publish our new precast sector sustainability targets for 2020. Results from last year show that we have already achieved 12 out of our 14 targets for 2012. These included targets for water use, waste reduction, carbon and energy reductions and quality, environmental and H&S management systems. Despite the difficult times our sector continued to lead on sustainability. We have now set up a number of ambitious targets for 2020 which will see us cut our manufacturing carbon emissions by almost a third compared with 2008. Our factory waste should go down to almost a tenth of what it used to be five years ago, and our mains water consumption should go down to below 40 l/t. The Precast Resource Efficiency Action Plan (REAP) will enable us to work with our supply chain partners (contractors, builders merchants, architects, clients) to see how further resource efficiency targets and sustainability improvements can be achieved at the design, construction, operation, and demolition stages of a building's life cycle.

Martin Clarke, Chief Executive, British Precast
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As at October 2013, the following companies are currently signed up to the Sustainability Charter

Acheson & Glover Precast | ACP Concrete | Aggregate Industries | Barcon Precast | Bell & Webster Concrete | Bison Manufacturing | Brett Landscaping | Buchan Concrete Products | Cemex UK | Cornish Concrete Products | CPM Group | Creagh Concrete Products | Cross Concrete Flooring | Delta Bloc UK | Ebor Concretes | Elite Precast | Evans Concrete Products | Forticrete | F P McCann | H&H UK | Hanson Building Products | Litecast | Longley Floors | Marshalls | Milton Precast | Plasmor Concrete Products | Quinn Building Products | Robeslee Concrete | SCC | Stanton Bonna | Sterling Services | Stowell Concrete | Techrete | Townscape Products | Sandtoft Roof Tiles | WDL Concrete

As part of the requirements of the Charter, all signatory companies must provide annual Key Performance Indicator data. In addition to the above companies being signed up to the Sustainability Charter and supplying KPI data, Morgan Sindall have also provided KPI data for 2012. By 2014 it is intended that all member companies will be signatories.

Please note that companies who gain independent certification to the Responsible Sourcing of Materials standard, can use this data capture exercise and the targets set by British Precast to help demonstrate conformance to BES 6001 with regards to stakeholder engagement etc.

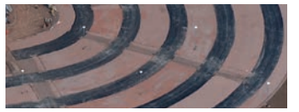
It is also important to note that third party certification auditors are at liberty to make contact with British Precast to gain confirmation that annual KPI data has been supplied.

KEY PERFORMANCE INDICATORS (ORIGINALLY REPORTED IN MAY 2013)

These indicators provide an overview of the impact of the precast industry on society and environment, and how that impact is managed. The figures reported here relate to 2008 - 2012. Notes are included to indicate how performance has changed since 2008 and whether 2012 targets were achieved.








COVERAGE

Data for 2012 has been provided by 36 companies relating to 121 production units and approximately 10.03 million tonnes of product. There are believed to be in the region of 650 – 700 precast production units in the UK and the total production output for the industry in 2012 is estimated to be around 18M tonnes. It is estimated that data has been reported for approximately 55.2% of the year's production, compared with 48.4% in 2008. The following statistics have been calculated from the data supplied.

PRODUCTIVITY

The companies reporting data in 2012 employed 6,585 full time equivalent staff, continuing the downward trend from 8,681, 6,902, 6,732 and 5,785 in 2008, 2009, 2010, and 2011 respectively.

1,524 tonnes of concrete was produced per employee in 2012, compared to 1,748 tonnes last year and 1,589 tonnes in 2008.

RESPECT FOR PEOPLE AND THEIR LOCAL ENVIRONMENT

49 sites operated formal local liaison schemes during the year, compared with eight in 2008, 2009 and 2011 and nine in 2010.

RESOURCE USE - WATER

84.5 litres of mains water were used per tonne of concrete produced in 2012, compared with 108.5 litres of mains water in 2008, 115.8 litres in 2009, 99.4 litres in 2010, and 87.1 litres in 2011. Ground water use per tonne of concrete was around 47.7 litres compared to 69.5 litres in 2008.

Water from other sources such as harvesting and recycling is not included in these figures.

Note: 2012 targets of reducing mains and ground water use by 5% has been achieved

RESOURCE USE - WASTE

41.64 kg of waste was produced per tonne of concrete in 2012, of which 4.2% was disposed of to landfill, 46% was recycled on site and 49.3% recycled off site. The overall waste figure is slightly worse compared with 39.7 kg of waste per tonne produced in 2008. This resulted in 1.76 kg waste/ tonne product being disposed of to landfill in 2012, compared with 5.6 kg in 2008.

Note: 2012 target of reducing waste to landfill by 10% has been achieved

QUALITY AND SATISFACTION

9.1m tonnes, or 90.7% of reported production was covered by an ISO 9001 UKAS accredited quality management system or a recognised Manufacturer Quality Assurance Scheme in 2012, compared to 80%, 89.7%, 93.1% and 93.4% in 2008, 2009, 2010 and 2011 respectively.

Note: 2012 target of 85% has been achieved

ENERGY, INCLUDING CLIMATE CHANGE

50.21 kWh of energy was used per tonne of concrete produced in 2012, of which 50.4% was gas, 24.3% was electricity and 18.5% was gas oil/ diesel. This is the equivalent of 14.22 kg CO_2 per tonne of product produced. This figure was better than the data reported (and corrected) for 2008 (62.7 kWh/t)

Note: 2012 target of 10% reduction in energy usage per tonne has been achieved.

Note: 2012 target of 10% reduction in CO_2 emissions per tonne has been achieved.

POLLUTION/EMISSIONS, INCLUDING TRANSPORT

8.86m tonnes, or 88.3% of reported production, was covered by an ISO 14001 or EMAS UKAS certified environmental management system in 2012, comparing favourably with 83.9% of reported production in 2008.

Note: 2012 target to increase coverage to 85% has been achieved

No environmental incidents were recorded or reported to external regulatory authorities in 2009, 2010, 2011, or 2012 compared with a single incident reported in 2008.

Note: 2012 target to maintain convictions to "0" has been achieved

Transport data coverage in 2012 remained good, with most companies supplying data, showing that the average lorry carried 17.45 tonnes of precast product per delivery, compared with an average of 18.6 tonnes in 2008. The average delivery distance in 2012 was 148.1 km in 2012, compared with 203 km reported in 2008. Transport data was provided for 5.26m tonnes of product in 2012, compared with 7.3m tonnes in 2008.

Note: 2012 target to increase capture of data has been achieved

6.99m tonnes, or 69.6% of reported production, was covered by a BES 6001 Responsible Sourcing system in 2012, comparing favourably with 39.8% of reported production in 2009.

Note: Although no target was set for Responsible Sourcing, almost two thirds of production was covered by BES 6001. Most BES 6001 certified products are rated "Very Good or Excellent" with 28% (by mass) rated as "Excellent".

RESOURCE USE - MATERIALS

0.142 tonnes of cementitious materials were used per tonne of precast produced in 2012, roughly consisting of 9.1% fly ash, 4.9% ground granulated blast furnace slag, 3.7% limestone. Overall replacement of Portland cement is around 23.85% compared with 20.2% in 2008.

Note: 2012 target of 25% alternative cement use has been narrowly missed.

Aggregates usage increased slightly in 2012, at 0.83 tonnes per tonne. 21.3% of aggregates used in 2012 were of recycled or secondary origin.

Note: 2012 target of 25% recycled aggregates has not been quite achieved.

HEALTH & SAFETY

6.34m tonnes, or 56.7%, of reported production was covered by an OHSAS 18001 UKAS certified health & safety management system in 2012. This is significantly better than the 25.4% reported in 2008.

Health and Safety data is collected separately through the Concrete Targets 2015 scheme operated by British Precast; this HSE recognised scheme promotes improvement activities and sharing of information, both within companies and across the construction industry.

Over 7,702 employees in the industry were covered by the CT 2015 scheme in 2012. The estimated RIDDOR rate was 792 per 100,000 employees compared with 1,143 in 2011, 1,343 in 2008 and 3,920 for the scheme's baseline year 2000.

EMPLOYMENT POLICIES INCLUDING TRAINING

6,273, or 98.51% of reported employees were covered by formal training and development policies in 2012. An average of 11.9 hours of training was provided per employee. The coverage is higher than the 89.7% rate reported in 2008. However, the number of hours reported are slightly lower than the 12.6 hours reported in 2008.