



SUSTAINABILITY & RESPONSIBLE SOURCING

ANNUAL REPORT FOR 2022.

Capital Concrete, a leading supplier of ready mixed concrete, floor screed & flowing screed in London and the surrounding area is committed to continuously improving social, economic and environmental standards by:

- ❖ providing responsibly sourced materials
- ❖ reducing green house gas emissions
- ❖ protecting the environment and natural resources
- ❖ creating sustainable communities

All our production units and offices are externally certified to BS EN ISO 9001 – Quality Management Systems and BS EN ISO 14001 – Environmental Management Systems and the business operates an integrated management system embracing quality, health, safety, environment and sustainability. Capital Concrete is also externally certified to BES 6001 – Framework Standard for the Responsible Sourcing of Construction Products administered by the Building Research Establishment.

Through the introduction of specific policies, measures and targets and by proactively engaging with our stakeholders, Capital Concrete aims to improve the sustainability performance across all aspects of its business. To achieve this aim we will:

- ❖ work closely with our suppliers to encourage the responsible sourcing of materials throughout the supply chain and ensure all relevant standards and best practices are maintained
- ❖ reduce green house gas emissions by improving the energy efficiency of all plant and equipment and effectively managing our transportation needs
- ❖ minimise environmental impacts by reducing waste generated from the production process, using secondary materials where appropriate and conserving natural resources by efficient recycling.
- ❖ maintain the highest standards of health and safety throughout the workplace and provide training, instruction and supervision to ensure all employees are competent and fully aware of their responsibilities.
- ❖ be a good neighbour and build trustworthy relationships with our customers, regulatory bodies, relevant authorities and the local community.

Capital Concrete is also actively involved in the Resource Energy Action Plan (REAP), an initiative created by the Sustainable Concrete Forum in partnership with WRAP, BRE and BRMCA to deliver improved resource efficiency across the ready mixed concrete sector's supply chain.

The data in the following tables has been collated in accordance with the requirements of the Concrete Industry Sustainable Construction Performance Indicators and Targets. Specific improvement targets, where appropriate, are established annually by the business based on the previous year's performance.



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TABLE 1 – Performance Data

Sustainability Principle	Concrete Industry Sustainable Construction Performance Indicators	Capital Concrete Performance Data 2022	Capital Concrete Targets 2023	Concrete Industry Sustainable Construction Targets 2023
Environmental Management	% of production sites covered by an Environmental Management System	100 % via CPC	Maintain level at 100 %	Not yet agreed
Emissions (excluding CO₂)	Number of convictions for air and water emissions per annum	Zero	Maintain level at zero	Zero
Stakeholder Engagement	<i>The justification for an industry wide measure continues to be evaluated for future reporting</i>	N/A	N/A	N/A
Quality and Performance	% of production sites covered by a certified ISO 9001 Quality Management System	100 % via QSRMC	Maintain level at 100 %	Not yet agreed
Responsible Sourcing	% of production certified to BES 6001	100 % via CPC	Maintain level at 100 %	Not yet agreed
Energy Efficiency	Kilowatt hours of energy used in production as a proportion of production output (kWh per tonne)	1.22	Not greater than 0.97 kWh/tonne	132.1kWh/t baseline
CO₂ Emissions (Production)	CO ₂ emissions as a proportion of production output (kg CO ₂ per tonne)	0.26	Not to exceed 0.26 kg	102.6kg/t baseline
CO₂ Emissions (Transport)	Average delivery distance travelled per tonne (from factory gate to customer and return journey) km/tonne	0.84	Not to exceed 1 kg	7.2kg/t baseline
	Tonnes (%) moved by three modes: road	100%		
	Rail	0%		
	Inland barge	0%		
	Average load size (m ³ and tonnes)	7.16 17.05		
	CO ₂ emissions as a proportion of production output (kg CO ₂ per tonne)	1.54		
Waste Minimisation	Waste to landfill as a proportion of production output (kg per tonne)	0.071 kg per tonne	Not to exceed 0.071kg per tonne	5kg/t baseline



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Table 1 – Performance Data (cont)

N.B, Conversions factors used in calculations are taken from Defra conversions factors 2022.

Sustainability Principle	Concrete Industry Sustainable Construction Performance Indicators	Capital Concrete Performance Data 2022	Capital Concrete Targets 2023	Concrete Industry Sustainable Construction Targets 2023
Materials Efficiency	% of additional cementitious materials (GGBS, fly ash, etc) as a proportion of total cementitious materials used	40.86	To exceed 35 %	No target currently exists
	Recycled / secondary aggregates as a proportion of total aggregates used	0.00%	Use if sustainable benefit is proven	No targets have been set as increasing recycled content is not always indicative of sustainable performance
Water	Mains water consumption as a proportion of production output (litres per tonne)	45.2 litres per tonne	Target not to exceed 45.2 litres per tonne (mains)	86L/t baseline
	Controlled water (Borehole) consumption as a proportion of production output (litres per tonne)	23.2 litres per tonne		
Site Stewardship and Biodiversity	% of relevant production sites that have site specific action plans	100%	Maintain level at 100 %	100%
Health & Safety	Lost time injuries for direct employees per 1 million hours worked	0 per 1 million hours (0 actual)	Zero	From 2014 to 2019 reduce lost time incidents by 65% aim of zero harm
Employment and Skills	% of employees covered by training and evaluation process	100%	Maintain level at 100 %	100%
Local Community	% of relevant sites that have community liaison activities	100%	Maintain level at 100 % (where applicable)	100%



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Supplementary information relating to Performance Indicators and Targets

CO₂ Emissions (Transport)

- In an effort to further reduce the emissions of CO₂ and other harmful gases such as nitrous oxide from our own delivery transport, all new vehicles are purchased with fuel-efficient automatic gear boxes (as opposed to manual) and Euro VI compliant engines. Additionally, 100% of our delivery vehicles now comprise 8 m³ mixer drums.

CO₂ Emissions (Transport) - continued

- Capital Concrete is actively engaged in FORS (Freight Operator Recognition Scheme) – Transport for London and has attained silver standard, being rated an operator that has met specific targets and is continuing to improve. To help minimise risk of injury to cyclists, motorcyclists and pedestrians, Capital Concrete is also a Champion of CLOCS (Construction Logistics and Cycle Safety) – a construction industry-led initiative set up to protect vulnerable road users.

Waste Minimisation

- Capital Concrete has already achieved the reduction in “waste to landfill” target of 0.5 kg per tonne set by the Concrete Industry Sustainable Construction Strategy for 2020. Very significant progress has been made since reporting and measurements started as we actively encourage all staff to reduce, re-use and recycle waste in all forms wherever possible. The reporting of sustainability data is carried out via our “Measuring Up” system.

Employment and Skills

- All relevant Capital Concrete staff have either achieved or are engaged in competence-based qualifications appropriate to their operational responsibilities and duties. Enrolment commences on completion of a satisfactory probationary period. Qualifications (QCF's / RQF's) are determined in accordance with the requirements of the Mineral Products Association “Safer by Competence” scheme operated in conjunction with the Mineral Products Qualifications Council.
- Training and development of all permanent staff is assessed at Performance and Development reviews held annually in conjunction with the respective line managers and recorded in the competency matrix. Objectives, performance, personal development and career aspirations through appropriate training, diversity and inclusion are discussed and agreed.

Local Community

- Capital Concrete records all internal and external environmental and community incidents (including complaints) via the Brett Group Incident Reporting database (IFS). All incidents are investigated, corrective and preventive action is then taken as deemed necessary.
- During 2022, one complaint received.
- Capital Concrete is a subsidiary of the parent company, Robert Brett and Sons, a Kent based family-owned construction materials business which had been trading for 110 years in 2019. It actively encourages the use local suppliers and labour wherever practical and possible.



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2022 Performance commentary:

Another challenging year as a result of pressure on supply chains and difficulties caused by material availability.

LTIFR: our LTIFR rate was excellent in 2022 as we suffered no lost time injuries.

Energy efficiency: We achieved a reduced figure of 1.22 kWh/tonne which was above our 2022 target of 1.008 kWh/tonne. This figure remains well below the industry baseline figure.

CO₂ emissions (Production): We achieved 0.26 kg/tonne of CO₂, this equalled our 2022 target figure of 0.68.

CO₂ emissions (Transport): We achieved a figure of 1.70kg of CO₂ per tonne of road delivery which equalled our 2022 target figure.

Waste minimisation: waste to landfill continues to be a challenge due to customer demands for additive products that are delivered with significant packaging for disposal and whilst we exceeded our target figure, we remain well below the industry baseline figure of 0.5kg/tonne

Mains Water usage: our mains water usage 45.2L/tonne was below our 2022 target figure and this is well below the industry baseline figure of 86L/tonne.

Materials efficiency: our percentage of additional cementitious materials was 40.77% for 2022.

We continue to monitor these indicators using our measuring up procedures in the absence of any targets from industry bodies and set out own internal targets aiming for continual improvement.

General: We produced 3654 metres of Earth Friendly Concrete that contained no CEM I and therefore contained a significant reduction in embodied CO₂ content.

TABLE 2 – Supplementary Transport Data for Constituent Materials

Sustainability Principle	Constituent Material Delivery Details	Capital Concrete Performance Data 2022
CO₂ Emissions (Transport)	Delivery distance travelled per tonne (from supplier to Capital Concrete) as a proportion of total usage (km per tonne) - by road	1.51
	by sea	0.23
	Tonnes (%) moved by road	66.85
	Tonnes (%) moved by rail	0.0
	Tonnes (%) moved by sea	33.15
	Average load by road (tonnes)	30
	Average load by sea (tonnes)	2067
	CO ₂ emissions as a proportion of production output (kg CO ₂ per tonne)	1.09