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Brief Description of Issue

To help deliver SW's NetZero ambitions, the use of CEM I (concrete with 100% OPC) is to be ***banned*** on all future SW construction sites as of the **4th September 2023**. For Projects that are post gate 90, DV's are to review the Concrete Specifications, and where practical avoid the use of CEM I.

The use of BS compliant designated concretes and the cement combination types listed in Table A.15 of BS8400-1, is to be utilised whilst not compromising on strength, quality, or finish.

We, as an organisation, need to ensure we are making full use of the LCCs that are readily available through our supply chain, as we look to develop and increase the use of Ultra Low Carbon Concretes and Next Generation Zero Carbon Concretes.

Support

To support the designers and construction teams in complying with this, the following has or will be supplied:

- [Lower Carbon Concrete Decision Matrix.xlsx \(sharepoint.com\)](#) available via the TSA Design Library
- [Concrete Durability Document](#) available via the TSA Design Library
- LCC usage Workshops with designers – To be arranged and chaired by the TSA

Action

The [Lower Carbon Concrete Decision Matrix.xlsx \(sharepoint.com\)](#) is to be referred to as a guide for all concrete works as it highlights the options that are available and have been reviewed/approved by SW.

Designers are to specify what cement combinations are required for all concretes that to be used on site, so that there is clear direction to all construction staff, buyers and the associated supply chain as to what mixes are to be used. If LCC's cannot be supplied as per the Matrix, please advise SW Procurement and TSA.

Deviation from the Matrix, and the use of CEM I, may be allowed with agreement with SW through the [Waivers](#) process. Any non-approved use of CEM I will be considered as a defect and will be recorded as such.

Projects effected

- ✓ All new Projects
- ✓ Projects in Plan
- ✓ Projects in Prepare
- ✓ Projects in Deliver

Additional Comments for implementation

This is for immediate application and will apply to all orders of Concrete from the date of this Bulletin.

Circulation List:

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