



Low Carbon Concrete

UK manufacturing to power wind energy investment

Building the Future of Renewable Energy

As the demand for clean energy accelerates, the wind sector has a unique opportunity to drive localised and more sustainable concrete infrastructure with reduced environmental impact.

Tarmac's CEVO low carbon concrete is engineered to meet this challenge—offering a smarter, greener solution for wind turbine foundations and associated infrastructure.

CEVO – concrete evolution

Aligned to the ICE and Green Construction Board's carbon rating benchmark Tarmac offers concrete construction transparency of choice in engineering lower carbon and performance concretes.

Up to 16.5% CO₂e Reduction with CEMII Cement

By transitioning from traditional CEMI to CEMII cement in our CEVO concrete range, we deliver a significant reduction in embodied carbon—up to **16.5% less CO₂e**, as verified in our latest Environmental Product Declaration (EPD).

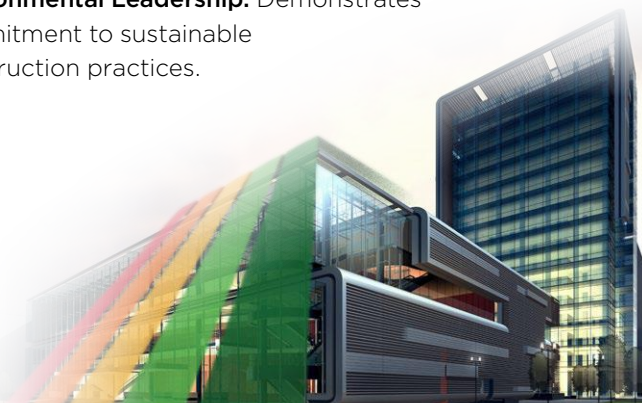
Locally Sourced. Locally Made.

Our materials are sourced and manufactured locally across the UK, reducing transport emissions and supporting regional economies. This approach ensures:

- **Lower carbon footprint** through reduced logistics
- **Reliable supply chains** for large-scale wind projects
- **Support for local employment** and community investment

Concrete Benefits for Wind Turbine Construction

- **Durability & Strength:** CEVO concrete meets the demanding structural requirements of turbine bases.
- **Carbon Reduction:** Lower embodied carbon helps meet sustainability targets and planning requirements.
- **Design Flexibility:** Compatible with a wide range of foundation designs and site conditions.
- **Environmental Leadership:** Demonstrates commitment to sustainable construction practices.



Decarbonisation options for concrete materials

Tarmac is proud to support the renewable energy sector with innovative, low carbon solutions. CEVO concrete is more than a material—it's a commitment to building a cleaner, more sustainable future.

Baseline offering	Additional measures	New Innovations
• Portland Limestone Cement now standard across Tarmac UK concrete supply. • Offers 5-10% carbon savings in concrete compared to 2024. • Latest standard update allows use with higher blends of SCMs. • Code compliant – offered as a baseline.	• Combining digital tools such as CEVO digital with conventional concrete. • Data driven decisions ensure savings are realised faster on site. • Utilising strength enhancers and activator technology. • Improves early age strength performance of lower carbon, high SCM blends.	• Alternative binder systems – Geopolymer / AACM. • Deliver the highest carbon reductions available today. • Covered in BSI Flex 350 performance-based code of practice. • Barriers – code compliance, manufacturing cost. • Large amount of research and collaboration ongoing.

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REINVENT
THE WAY
OUR WORLD
IS BUILT