

12th November 2025

Development and Commercialisation Agreement with Breedon extended

Highlights

- **First Graphene and Breedon Group extend Joint Development and Commercialisation agreement by an additional 12 months**
- **Extension follows success of phased trials and shipment of a three-tonne order of PureGRAPH[®] to manufacture up to 600 tonnes of graphene-enhanced cement**
- **Breedon is the largest cement manufacturer in the UK and an international construction materials producer, with operations in Britain, Ireland and the US**

First Graphene Limited (ASX:FGR; “First Graphene” or “the Company”) is pleased to announce its Joint Development and Commercialisation Agreement (“Agreement”) with Breedon Group plc (LON:BREE) (“Breedon”) has been extended to October 2026.

Both parties agreed to extending the initial two-year Agreement struck in October 2023 following the successful rollout of multiphase trials of graphene enhanced cement.

The trials, carried out at Breedon’s Hope Cement Works in Derbyshire, successfully validated the formulation, dispersion and performance of PureGRAPH[®] in industrial-scale cement production.

Results showcased strength improvements of up to 35% as well as a CO₂ emission reduction of up to 15%, due to graphene partially replacing carbon intensive clinker in the production process.

The trials also determined PureGRAPH[®] can be added and dispersed through Breedon’s mill and production line without the need for any additional processing equipment, providing a cost-effective and sustainable material solution for the global infrastructure and construction industry.

First Graphene Managing Director and CEO Michael Bell said:

“Our partnership with Breedon has produced compelling results, highlighting significant material performance improvements and carbon reduction benefits of adding graphene to cement and concrete.

The extension of our Agreement will ensure further graphene enhanced cement production and application opportunities advance, in collaboration with the broader infrastructure and construction industries.

We’re already working with Breedon to produce 600 tonnes of cement containing three tonnes of PureGRAPH[®], which will be used in real-world applications across railway infrastructure, electric vehicle charging stations and roofing tiles.

These diverse applications demonstrate the versatility of graphene in the global cement and concrete industry, which continues to face pressure to reduce its carbon footprint.”

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ASX ANNOUNCEMENT

-Ends-

This release has been approved for release by the Chairman.

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About First Graphene Ltd (ASX: FGR)

First Graphene Limited is focused on the development of advanced materials to help industry improve. The Company is a leading supplier of graphitic materials and product formulations with a specific commercial focus on large, high-growth global markets including cement and concrete; composites and plastics; coatings, adhesives, sealants and elastomers (CASE); and energy storage applications.

One of the key outcomes these advanced materials offer is the reduction of carbon dioxide emissions, whether directly through a reduction in output of these harmful greenhouse gases or lower energy usage requirements in manufacturing, or indirectly due to enhanced performance characteristics and extending the usable life of products.

First Graphene has a robust manufacturing platform based on captive and abundant supply of high-purity raw materials, and readily scalable technologies to meet growing market demand. As well as being the world's leading supplier of its own high performance PureGRAPH® graphene product range, the Company works with multiple industry partners around the world as a supplier of graphitic materials and partner to research, develop, test and facilitate the commercial marketing of a wide range of sector-specific chemical solutions.

First Graphene Ltd is publicly listed in Australia (ASX:FGR) and has a primary manufacturing base in Henderson, near Perth, WA. The Company is incorporated in the UK as First Graphene (UK) Ltd where it has a strong R&D capability.

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