

19<sup>th</sup> April 2021

### PureGRAPH® 50 Added to Product Line

#### HIGHLIGHTS

- **PureGRAPH® product range extended to include new 50-micron platelet size.**
- **Jumbo platelet and high aspect ratio designed specifically for concrete strengthening and polymer reinforcement.**

First Graphene Limited (ASX:FGR; "First Graphene" or "the Company") is pleased to announce the launch of PureGRAPH® 50 to complement its range of powder and AQUA additives.

PureGRAPH® 50 is a jumbo platelet size, further extending First Graphene's product portfolio. With a very high aspect ratio (lateral size/thickness) PureGRAPH® 50 is designed to enhance performance in concrete strengthening and polymer reinforcement applications.

The latest release comes following the recent launch of PureGRAPH® AQUA, which provides all powdered sizes in a paste for easy incorporation into water and solvent-based formulations.

First Graphene CEO Mike Bell said the larger interlayer spacing of particles in PureGRAPH® 50 enhances dispersion.

*"This latest addition provides further flexibility in the applications of the PureGRAPH® product range and is specifically designed to assist with strengthening and reinforcement. Concrete is an area we are particularly focused on as our research has shown major benefits of graphene in terms of enhanced strength and reduced water permeability. Also, the potential reduction in material usage and carbon footprint caused by cement-based products means that 'greener' concrete structures and precast elements are now possible."* Mr Bell added.



First Graphene has issued a new datasheet for its PureGRAPH® range of graphene powders to include details on PureGRAPH® 50.

# ASX ANNOUNCEMENT



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## About First Graphene Ltd (ASX: FGR)

*First Graphene Ltd is the leading supplier of high-performing, graphene products. The company has a robust manufacturing platform based upon captive supply of high-purity raw materials and an established 100 tonne/year graphene production capacity. Commercial applications are now being progressed in composites, elastomers, fire retardancy, construction and energy storage.*

*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. and is a Tier 1 partner at the Graphene Engineering and Innovation Centre (GEIC), Manchester, UK.*

## PureGRAPH® Range of Products

*PureGRAPH® graphene powders are available in tonnage volumes with lateral platelet sizes of 50µm, 20µm, 10µm and 5µm. The products are high performing additives, characterised by their high quality and ease of use.*

## First Graphene Limited

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## Trading Symbol

**Australia:** FGR  
FGROC  
**Frankfurt:** FSE:M11  
**USA OTC:** FGPHF

*With authority of the board, this announcement has been authorised for release by Aditya Asthana, Chief Financial Officer and Company Secretary.*