

**A significant step forward for the widespread application of Graphene enhanced materials into Paints and Coatings for anti-corrosion and barrier applications.**

**Applied Graphene Materials launches its Innovative *Genable*<sup>™</sup> platform technology for the incorporation of graphene into coatings formulations.**

***Genable*<sup>™</sup> - enabling the successful application and outstanding properties of graphene nanoplatelets**

Following 3 years' intensive development work, driven by direct engagement with global industry partners, Applied Graphene Materials (AGM) has announced the launch of its *Genable*<sup>™</sup> platform dispersion technology for the incorporation of graphene into coatings formulations.

Achieving the consistent and successful incorporation of graphene into existing manufacturing processes and formulations is well understood to be a highly problematic area for those Product Developers seeking to harness the exciting properties of graphene nanoplatelets. The materials technology behind AGM's *Genable*<sup>™</sup> range has been developed to address this critical area.

*Genable*<sup>™</sup> dispersions are long term stable and designed to be delivered easily into existing manufacturing processes, enabling industry formulators to access, consistently, the exciting performance attributes of AGMs **A-GNP** graphene nanoplatelets.

Available from stock, *Genable*<sup>™</sup> dispersions are supplied in epoxy resins, a range of industry standard carrier solvents (butyl acetate, xylene, MEK, ethyl acetate), as well as water. *Genable*<sup>™</sup> dispersions are also supported by application guidelines, extended performance datasets and considerable formulation know-how within AGM's Technical Group.

Industry innovators are already discovering they can formulate their way to significant performance gains by incorporation of graphene using *Genable*<sup>™</sup> products. The key market area delivering early success for AGM is the application of graphene materials into anti-corrosion barrier coatings, specifically aimed at providing step-change delays in the time to corrosion onset under extended and harsh environmental weathering conditions. Major improvements in anti-corrosion performance can be achieved at very low addition levels, and will have significant implications in reducing total costs associated with the application, maintenance and repair of many industrial coating systems.

*For further information please contact AGM Sales Office on*

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### **About Applied Graphene Materials**

*Applied Graphene Materials works in partnership with its customers using its knowledge and expertise to provide custom graphene dispersions and formats to deliver enhancements and benefits for a wide range of applications. The Group's strategy is to target commercial application in three core markets: coatings, composites and polymers and functional fluids.*

*The Group has developed proprietary bottom-up processes which are capable of producing high volume graphene nanoplatelets using a continuous process. The manufacturing processes are based on sustainable, readily available raw materials and therefore do not rely on the supply of graphite, unlike a number of other graphene production techniques. Applied Graphene Materials owns the intellectual property and know-how behind these processes.*

*Applied Graphene Materials was founded by Professor Karl Coleman in 2010 with its operations and processes based on technology that he initially developed at Durham University. The Group was admitted to AIM in November 2013.*