



**Genable® 1000 and 2000 series, graphene based formulation tools delivering outstanding barrier and anti-corrosion performance on steel and aluminium substrates**

Applied Graphene Materials (AGM) has announced the launch of two new series within its **Genable®** platform dispersion technology range. The **Genable® 1000 series**, engineered to significantly enhance and reduce the content of existing anti-corrosion additives, and the **Genable® 2000 series**, uniquely developed to deliver outstanding anti-corrosion performance specifically on aluminium substrates.

Once formulated optimally into anti-corrosion coating systems, **Genable®** dispersions have demonstrated substantial performance gains, providing extensions in coating lifetime of over 3 times under cyclic salt spray testing (*ASTM G-85-94 Prohesion*). Early adopters are already successfully applying these materials in real-world applications.

**Genable®** dispersions are stable long term and designed to be delivered easily into existing manufacturing processes, enabling industry formulators to access, consistently, the exciting performance attributes of AGM's **A-GNP** graphene nanoplatelets.

Available from stock, **Genable® 1000 and 2000 series** dispersions are supplied in epoxy resins, a range of industry standard carrier solvents (butyl acetate, xylene, MEK, ethyl acetate), as well as water. **Genable®** dispersions are also supported by application guidelines, extended performance datasets and considerable formulation know-how within AGM's Technical Group.

*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.*