

PAINTS & COATINGS



Universal Matter upcycles carbon into graphene and related advanced materials to boost the performance and sustainability of your innovations.

Flash Joule Heating Process

Our process delivers high quality, economical graphene and related advanced materials from simple carbon feedstocks enabling optimized solutions that enhances performance and reduces your carbon footprint.



High Quality: Few layer, defect free



New Morphologies: Polyhedral Graphene



More Economical: High volume, efficient process



Highly Sustainable: Energy Efficient, using waste, upcycle and recycled carbon



We understand the challenges faced by coatings formulators. Our unique \mathbf{G} enable $^{\text{\tiny{M}}}$ additives offer value adding performance and sustainability benefits.

Barrier Improvement

- Anti-corrosion
- · Chemical resistance
- Water barrier
- · Gas permeability

Mechanical Properties

- · Abrasion resistance
- · Tensile strength
- · Impact resistance

Conductivity Applications

- · Electrical conductivity
- · Anti-static dissipation
- · Thermal conductivity

Electromagnetic Spectrum

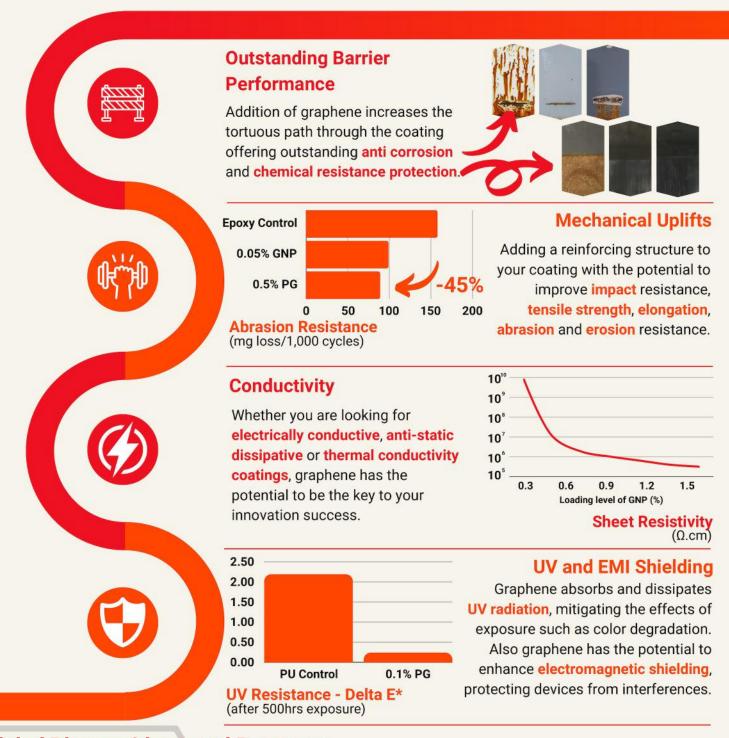
- UV protection
- EMI shielding



Genable GRAPHENE DISPERSIONS

- Outstanding compatibility and in-can stability
- Easy to formulate and safe to incorporate
- Optimised properties designed for performance
- **W** UNLOCKING THE POTENTIAL OF GRAPHENE

We are Reinforcing your Innovations...



Global Player with a Local Presence

UM has a network of production and innovation centers, and increasing global coverage of distribution partners. This enables us to offer consistent supply of high quality products and offer the technical support our customers deserve.



www.universalmatter.com www.appliedgraphenematerials.com

