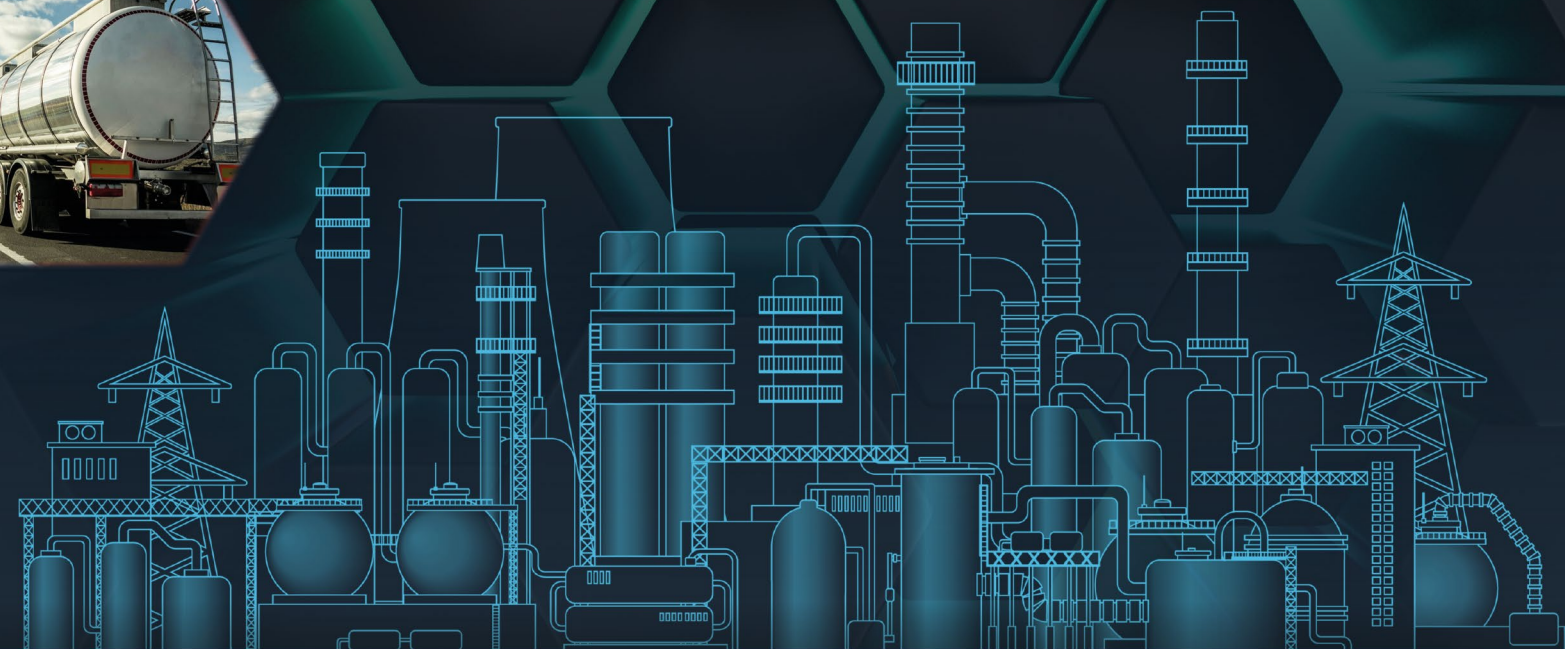


NEW

Graphene dispersions for chemical resistance



**APPLIED
GRAPHENE
MATERIALS**



- Outstanding barrier performance
- Flexibility in formulation for improved physical properties
- Cost-competitive solution

INNOVATE. PERFORM. STAND OUT.

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STABLE, EASY TO FORMULATE and **SAFE TO INCORPORATE** for consistent, reliable performance enhancements in **REAL LIFE** applications.

The benefits of graphene additives in chemical resistance coatings

Graphene nanoplatelet dispersions enable high-performance paints and coatings to more effectively protect a substrate against harsh chemicals in highly aggressive environments.

- Outstanding barrier performance
- Flexibility in formulation for improved physical properties
- Cost-competitive solution

Performance uplifts were seen in coatings containing as little as 2.5% of **Genable** dispersion. For more information please visit www.appliedgraphenematerials.com

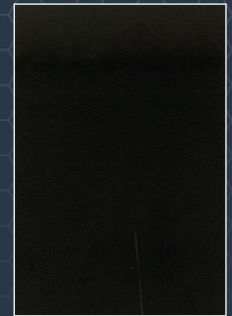
Examples of Coating Performance in Lactic Acid 28 Day Immersion Testing



Complete coating failure of glass flake control system



Glass flake + **Genable** graphene dispersion hybrid system



Genable graphene dispersion system

Epoxy coating chemical resistance comparison

28 Day Epoxy Coating Comparison – Genable Dispersions Against 20% Glass Flake

Immersion Media (28 Days @ 23°C)	Genable 1200 Performance*	Genable 1400 Performance*
Xylene	▲▲	▲▲
Butyl Cellosolve	=	=
MEK	▲▲▲	▲▲▲
10% Lactic Acid	▲▲	▲▲
10% Sulphuric Acid	▲▲▲	▲▲▲
50% Sodium Hydroxide	▲	▲
10% Sodium Hypochlorite	▲▲	▲▲
Deionised Water	▲	▲

28 Day Epoxy Coating Comparison – Genable + Glass Flake Hybrid Coatings Against 20% Glass Flake

Immersion Media (28 Days @ 23°C)	Genable 1200 + GF Performance*	Genable 1400 + GF Performance*
10% Lactic Acid	▲▲▲	▲▲▲
10% Sodium Hypochlorite	▲▲▲	▲▲▲

*Performance is based on visual appearance, blistering, hardness retention and gloss retention compared to glass flake.



For full details and test results, visit the AGM website.

*Performance is based on visual appearance, blistering, hardness retention and gloss retention compared to glass flake.

Proud to be a leading innovator in graphene dispersion and application technology

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