

## GraphShield 777

A versatile soluble nanocomposite powder of graphene and acrylic resin for liquid coatings

### Features and Benefits

- Dry graphene composite powder is soluble in both solvent (alcohols, glycols, glycol ethers) and alkaline water based systems for easy incorporation into most coatings
- Graphene can improve corrosion resistance, mechanical durability, and electrostatic dissipation properties
- For best results, pre-dissolve (50% solids) in a glycol ether compatible with your solvent or waterbased coating
- More stable and versatile than graphene dispersions
- Formulated exclusively with Asbury Carbons EFG technology
- Easier-to-disperse nanotechnology in a safe, non-nano powder

### Composition

Graphene/styrene acrylic resin

### Recommended Addition Levels

0.25 - 2.0% (on total formula weight)

### Systems and Applications

Water based and solvent based industrial coatings, industrial primers, pipe coatings, coil coatings, marine coatings, transportation coatings, ESD flooring.

## Typical Properties\*

	<u>GraphShield 777</u>
<b>Resin Softening Point ° C</b>	105
<b>Density @ 25 ° C (g/cc)</b>	1.27
<b>Mean Particle Size (µm)</b>	14.0 - 18.0
<b>Maximum Particle Size (µm)</b>	74.0
<b>Acid Value</b>	184
<b>Neutralization</b>	Use 0.25% ammonium hydroxide per 1% dosage

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