

What Is Graphene and How Does It Work as Paint Protection?

- 🚗 Graphene is an allotrope of carbon (like diamond or graphite)
- 🚗 Technically a single, one-atom-thick layer of graphite in a honeycomb lattice
- 🚗 Considered a “semimetal”
- 🚗 Described as having extraordinary physical, electrical and thermal properties
- 🚗 Highly efficient heat conduction
- 🚗 100 times stronger than steel at the same thickness
- 🚗 May become a replacement for silicone in future electronics

The History of Graphene

First isolated and characterized in 2004 by scientists Andre Geim and Konstantin Novoselov

Both scientists were awarded the 2010 Nobel Prize in Physics for their work in graphene

By 2012 the global graphene market was \$9 million, and is projected to be a \$150 million market by 2021

Already being used in research and product development for:

- 🚗 Composites
- 🚗 Batteries
- 🚗 Electronics
- 🚗 Semiconductors
- 🚗 Vehicle coatings

Want the Strength of Graphene Protecting Your Car's Paint?

Contact Bulldog Detail at **602.653.3935**

