



ADDITIONAL GRAPHENE INFORMATION & FAQs

Xzilon has long been known for its chemistries, evolving them over the years to maintain the company's position at the forefront of appearance protection quality and performance while continuing to stay ahead of industry trends.

Xzilon formulates, manufactures, markets, packages, and ships its chemistries, making us unique amongst our competition. This gives us great flexibility when it comes to powering innovation and providing the industry's best protection products.

Over the years, our carbon ceramic exterior protection has earned a reputation for its simultaneous durability, quality, and ease-of-use. And we were providing it long before "ceramic" became the buzzword that it is today. The ceramic provides hardness while the carbon provides additional surface flexibility.

The industry's next buzzword for exterior paint protection is graphene.

What is graphene?

Without getting too technical, graphene is a single sheet of carbon atoms arranged in a hexagon pattern. Reportedly, it's the strongest material known to man with unmatched tensile strength and heat resistance. This means additional durability, strength, and shine for vehicle surfaces.

How does graphene compare to ceramic?

Ceramic coatings are used to add hardness, depth, and shine to a surface. This depth is important to maximize the protection of the surface underneath.

However, most SiO₂ (Silicon Dioxide) ceramics lack the flexibility needed to be responsive to everyday driving and can begin to degrade due to the coating's rigidity, particularly along sharper body lines of the vehicle. Counterintuitively, these coatings are also more prone to water-spotting as they retain surface heat rather than reduce it.

That's why Xzilon had formulated its SiO₂ ceramic coating to include carbon in the polymer chain. By doing so, we increased surface flexibility and reduced surface heat to prevent water spots and other etching damage while still providing the depth of ceramic, maximizing the protection of the vehicle's surface.

Integrating Graphene

By adding graphene to our carbon ceramic formula, we have supercharged the protective qualities of our product for unsurpassed durability, strength, depth, and shine.

While protective chemistries have traditionally been designed for new vehicles, Xzilon's new carbon ceramic paint protection with graphene performs extremely well on lightly used inventory as well, helping to rejuvenate those vehicle exteriors.

The high concentration of carbon within the graphene means our formula's appearance has gone from white to slightly grey, but the easy application process remains the same. Simply spray or wipe on, then buff off any excess for a long-lasting layer of protection.

