

Why Diamon-Fusion®?

Clean Less, Increase Efficiency

Solar array owners around the globe have discovered **Diamon-Fusion®**'s unique products to help restore, maintain and protect surfaces. Surfaces treated with **Diamon-Fusion®** become water and oil repellent resulting in:

- *Less frequent cleanings*
- *A reduction in mold and bacteria*
- *Stain and graffiti resistance*
- *Scratch resistance*
- *Impact resistance*
- *Resistance to leaching of calcium and sodium (etching caused by hard water)*
- *At least 20% more brilliance (shine in glossy surfaces)*
- *Environmentally friendly cleaning*



Diamon-Fusion® Nanotechnology

DFI's patented nanotechnology can be easily installed on new and existing surfaces in homes, businesses, vehicles and many other environments.

DFI's nanochemistry can be applied to most surfaces containing silica (silicon dioxide) such as glass, ceramic tile, porcelain, granite and quartz. The chemical reaction bonds to form an ultra-thin protective layer of optically clear material which makes the surface significantly easier to clean and resistant to weathering. The method is done at nano-scale levels, which is a length scale ranging from approximately 1 to 100 nanometers (1 nanometer is 1 billionth of a meter).

The bond created in the patented process is a covalent bond. A covalent bond means that the coating actually shares electrons with molecules in the glass itself, thus becoming part of the glass. Covalent bonds are approximately 10 times stronger than hydrogen-bridge bonds, which are commonly used in most other water repellent coatings.



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This brochure is a summary of some of the benefits.
See actual limited warranty for specific details.

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Your local Diamon-Fusion® retailer:

Ensure Peak Solar System Performance and Protect Your Investment

Diamon-Fusion® is Your Answer to Maintaining Your Solar System, Large or Small



Diamon-Fusion® Helps Solar...

The number one concern among solar panel owners is how to maintain their new investment.

You've just spent thousands of dollars on a solar system and you want to ensure it is operating at peak efficiency. Obviously dirty panels block sunlight and therefore don't produce as much electricity. In 1996, the low-maintenance Diamon-Fusion® coating won Kitchen & Bath Business Magazine's prestigious, "Most Innovative New Product" award. Since that time, Diamon-Fusion® has reduced the cleaning required for millions of shower enclosure and window owners.

With the rising popularity of both residential and commercial solar energy generation, these consumers have found yet another area where Diamon-Fusion® can benefit their lives. In addition to reducing how often solar panels need to be cleaned (and making that cleaning easier when it does need to be done), Diamon-Fusion® also makes them impact and scratch resistant. As a result, solar owners whose panels are treated with Diamon-Fusion® realize increased efficiency from having cleaner panels, and also protection from the damage that can be caused by blowing debris such as tree branches or hail storms.



Protects Your Investment

Whether Diamon-Fusion® comes already on your solar panels from the factory, is applied by your professional solar installers or is applied after installation (the sooner the better) by a Diamon-Fusion® licensee, you'll immediately need to clean less and enjoy increased peace of mind that your investment is less at risk from costly damage.

The secret is in Diamon-Fusion®'s patented technology that improves and protects treated surfaces with an ultra smooth barrier against

- Hard Water Mineral Deposits
- Environmental Pollutants
- Weathering

Did You Know?

Most Solar Systems use glass exteriors because they don't turn yellow over time like most plastics.

A Closer View...

Diamon-Fusion® offers a brilliant solution in protection and performance!

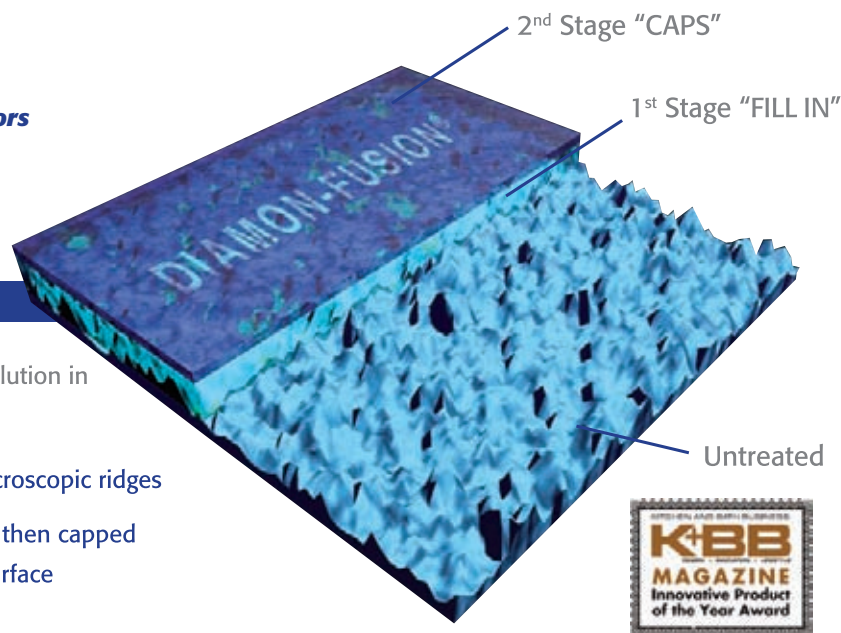
Step One: A chemical fills in the microscopic ridges

Step Two: This bonding substrate is then capped and sealed, enhancing surface smoothness

The Patent Proves It!

Everyone knows that when you have a major new technology, you patent it to protect the idea. Nanotechnology is no different. The United States Patent number for **Diamon-Fusion®** is 6,245,387 and can be found on the U.S. Patent and Trademark Office website (www.uspto.gov).

In the sea of questionable claims about what products can do, a patent is the rock that you can rely on to ensure the technology is real. As new coatings enter the market, look to see if they are patented. If you can't find the number, ask the sales representative or manufacturer. If it is not patented, it is likely based on old, obsolete technology despite what they may be claiming.



Diamon-Fusion International, the maker of **Diamon-Fusion®**, has patents or patents pending in over 120 countries worldwide. **DFI's** Research & Development team is constantly improving the process and techniques covered by the patent as well as creating new and exciting products for your car, home and business. Visit www.DiamonFusion.com to see **DFI's** full line of products.



"After operating my solar panels for a year I decided to apply **Diamon-Fusion®** as a way to reduce cleaning and maximize power production. Within 7 months of applying I received my lowest power bill ever. I believe this is due, in part, to the reduced dirt, dust, and water spot build-up as a result of applying **Diamon-Fusion®**."

Philip Baron, Realtor, Homeowner - Northridge, CA