

## WHAT SETS BIG RIG GUARD APART?

The actual bonding of the Big Rig Guard to the paint eliminates the need to reapply protection products repeatedly. Big Rig Guard bonds and breathes with the paint. It is not just a topical application like wax, which melts or washes off shortly after the initial application.

The Big Rig Guard system utilizes Nano technology, expanding into the pores of the paint to provide an extremely smooth surface which helps minimize the build up of dirt on the surface and provides a deeper, longer lasting shine.

Big Rig Guard blends several elements to provide a chemically stable protectant that resists environmental, organic and inorganic chemical attacks to the painted surface.

## BIG RIG GUARD HELPS TRUCK OWNERS:



- **PROTECT AND PRESERVE THEIR INVESTMENTS**
- **INCREASE THEIR FINANCIAL BOTTOM LINES BY:**
  - › *Improving fuel efficiency*
  - › *Reducing cleaning maintenance costs*
  - › *Increasing the resale value of their assets*
- **MAINTAIN AND IMPROVE THEIR CORPORATE BRAND IMAGE**
- **BETTER THE ENVIRONMENT BY:**
  - › *Reducing the use of caustic/toxic chemicals*
  - › *Reducing fuel burn*
  - › *Reducing the use of water for cleaning*

**Big Rig Guard is committed to ongoing research and development to ensure the best performing and innovative products available.**



**PROTECTION FROM ALL THAT  
THE ROAD THROWS AT YOU**



**Warning: Do not use wax or any silicone based products on top of the Toughguarded Surface.**

Powered by ToughGuard™ Nanoscience Technology

# BENEFITS OF BIG RIG GUARD

## PROTECT YOUR INVESTMENT FROM:

- › Corrosive road elements such as road salt and anti-icing agents
- › Damaging Ultra Violet rays
- › Acid rain, pollution, industrial fallout
- › Love bugs, bird droppings
- › Diesel exhaust buildup
- › Road tar

## DURABILITY:

- › 4-5 years of protection when properly applied
- › No reapplication needed for 4-5 years
- › Thermally stable to +450°F and -200°F

## LOWER MAINTENANCE COSTS:

- › Significantly reduce the frequency of routine cleanings by 30-40%
- › Eliminate the need for waxing

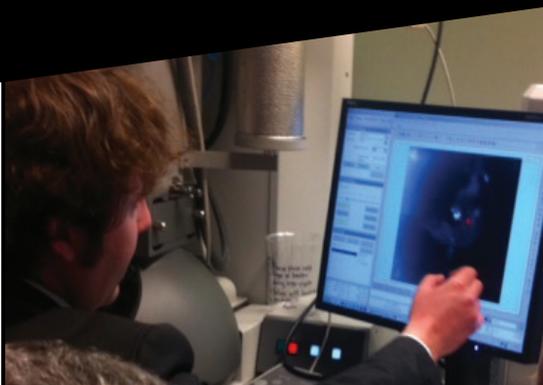
## PERFORMANCE:

- › Cleaner surfaces reduce drag which increases laminar flow.
- › Reducing drag and increasing laminar flow translates into increasing fuel performance.

## EASE OF APPLICATION:

- › No special equipment or outside contractor needed to apply Big Rig Guard.
- › Owner/operator can easily apply Big Rig Guard to their own rigs.

# NANOSCIENCE AT WORK



The Nanoscience in Big Rig Guard's polymer enables our high performance solution to cross-link and imbed deeper and bond denser inside the microscopic cavities of your asset surfaces. The greatly increased number of smaller particles allows more attachment points which produce a protectant with much stronger durability. As these imbedded particles self-level and harden, a flatter and perfectly smooth finish is the result. Dirt and contaminate particles now have an inhibited ability to attach.

# SMOOTH SURFACE DATA

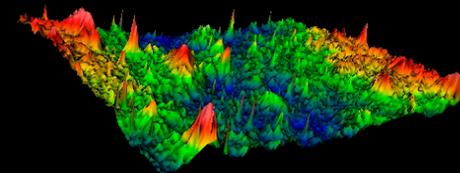


Figure 1 (3D profile of painted surface BEFORE Big Rig Guard treatment)

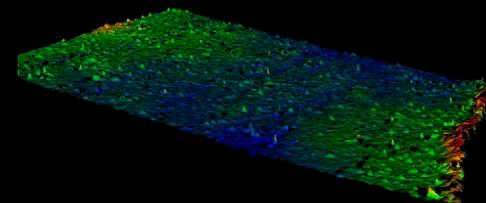


Figure 2 (3D profile of painted surface AFTER Big Rig Guard treatment)

The average roughness of Figure 1 is 132 nm and the average roughness after a one coat treatment is 116 nm. The Big Rig Guard treatment smooths out the surface of this painted sample.

Big Rig Guard is designed to prevent cosmetic damage due to chemical interaction of the environmental agents such as oxidation from UV rays, tree sap, acid rain, bug/bird droppings, water spots and pollution. This does not mean that your rig will never encounter these elements, but their effects will be minimized or eliminated. With proper care the paint on your rig will be protected for years.

Big Rig Guard is environmentally safe and is non-toxic.



Big Rig Guard is manufactured in the U.S.A.



[www.ToughGuard.co.nz](http://www.ToughGuard.co.nz)