CBOND SYSTEMS

NANOSHIELD™

Windshield Protection

Technical and Performance Overview

Technology Overview

Technical Strategy

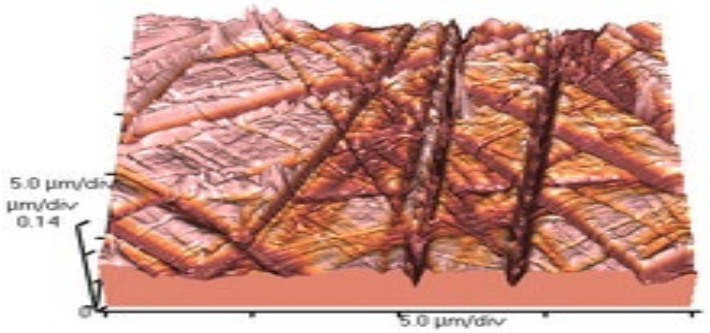
Optimize C-Bond nanoShield™ solution to enable stronger windshield glass products while improving visibility during inclement weather:

Toughness

- Improve resistance to glass breakage due to impact
- Improve resistance to glass breakage due to pressure
- Increase durability
- ***Reduce repair & replacement costs***

Visibility

- Improve visibility during rain with hydrophobic



5 µm ~ 1/5000 of an inch

Chemistry

nanoShield™ strengthens glass by bonding with the natural surface flaws in the glass to provide additional resistance to chip & crack formation due to impact, and crack propagation under stress.

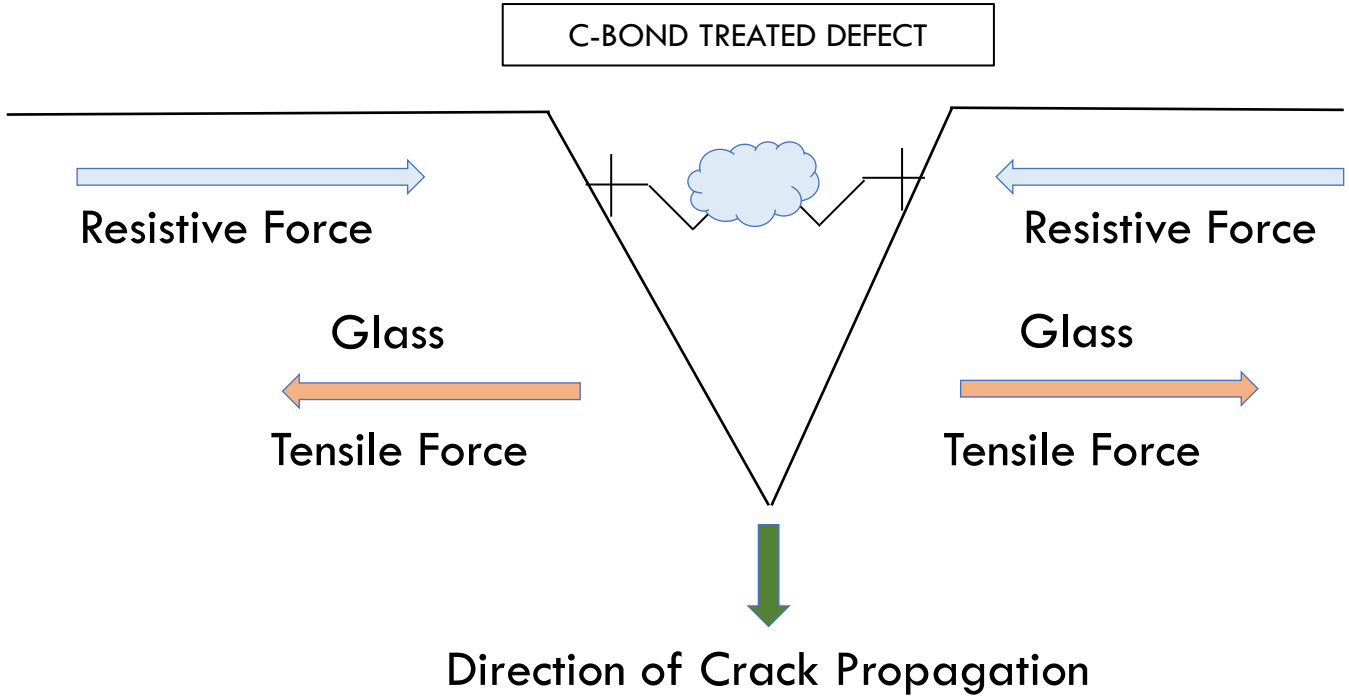
nanoShield™ Technology is based on several key components:

1) A Silane Coupling Agent;
2) An Acrylate Epoxy Adhesive, and;
3) A Self-Assembling Mechanism.
4) Hydrophobic

How Does nanoShield™ Work?

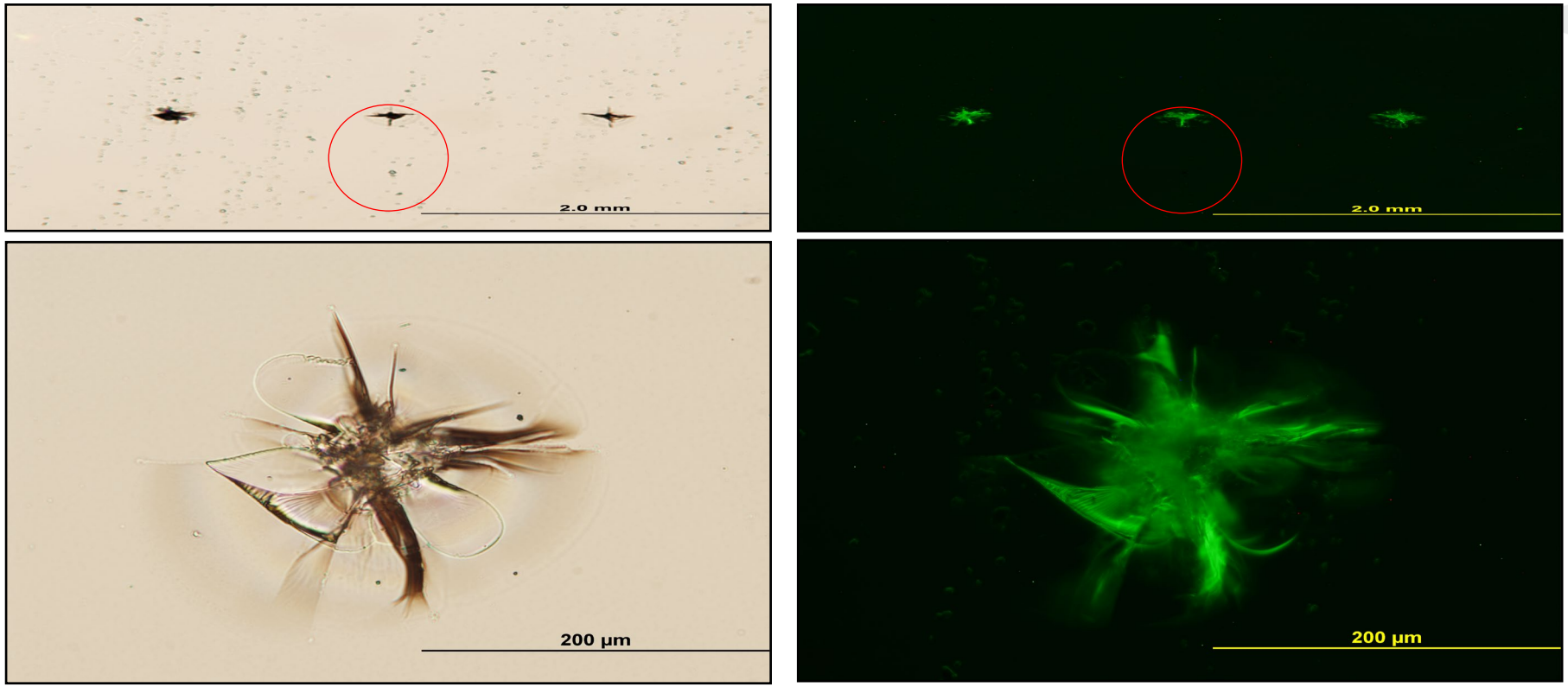
nanoShield™ is designed to target and covalently bond inside microscopic imperfections

significantly increasing the strength and function of the glass.



Repairing Glass Imperfections

Fluorescent Dye Used To Illustrate nanoShield™ "Micro-Crack" Interaction and Repair



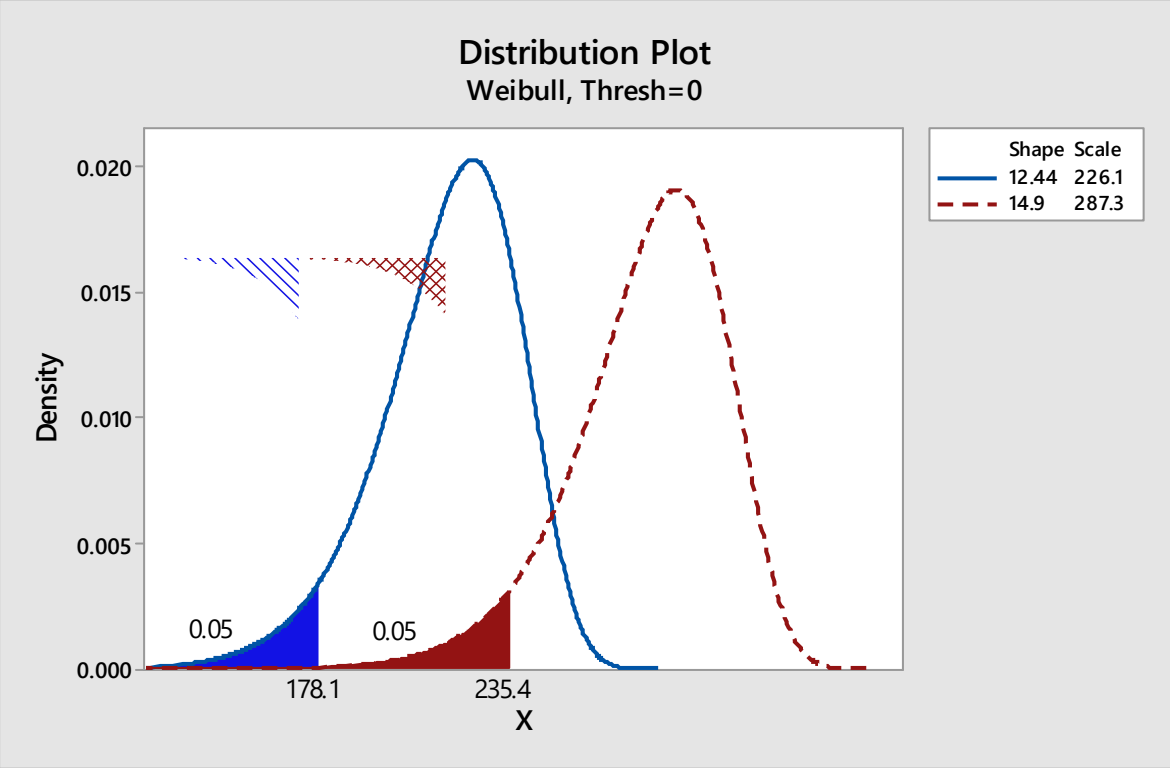
nanoShield™ is not indicated anywhere on the surface except within the crack.

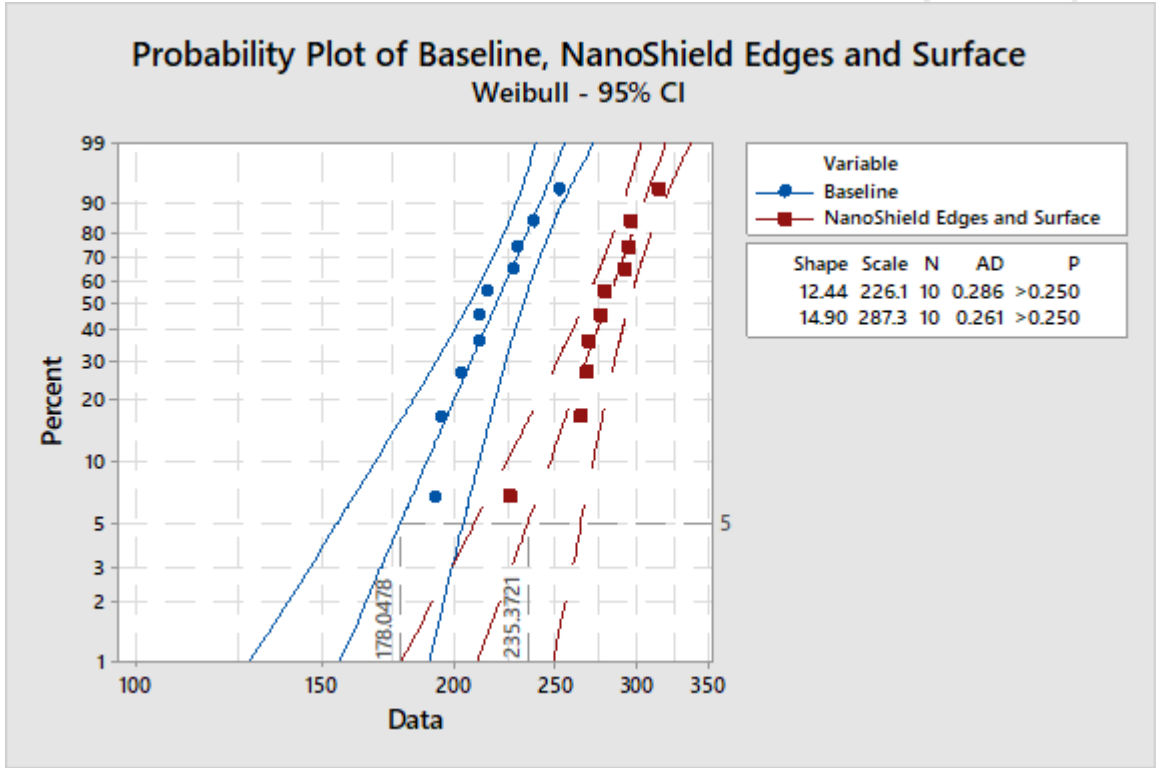
Flexural Strength (Edge) Testing ASTM C158

Flexural Edge Strength Testing

Results Verify That **nanoShield™** Increases Laminated Glass Windshield Flexural Strength

Test Conditions: Three Point Bend Test To Assess Edge Defects For Frameless Windshields





28% Increase In Average Flexural Edge Strength

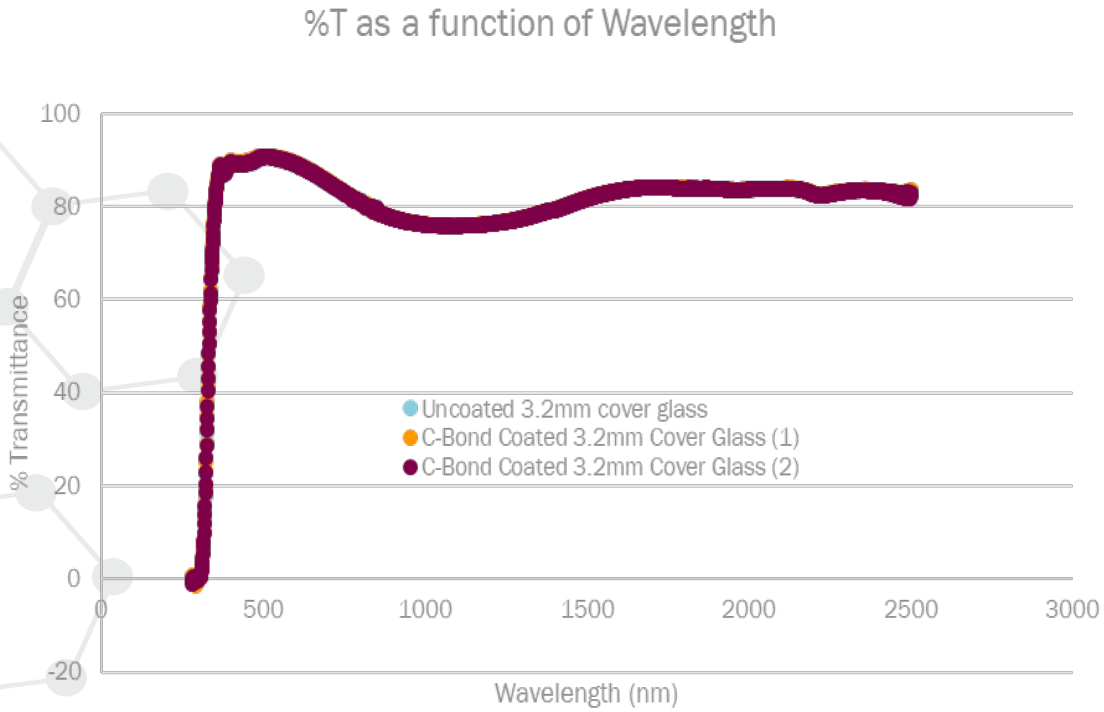
Statistically Significant Improvement

Transmittance and Reflectance Testing

Transmission and Reflective Durability Testing

Results Verify that nanoShield™ Has No Effect On Optical Properties

Test Conditions: Spectral Measurements



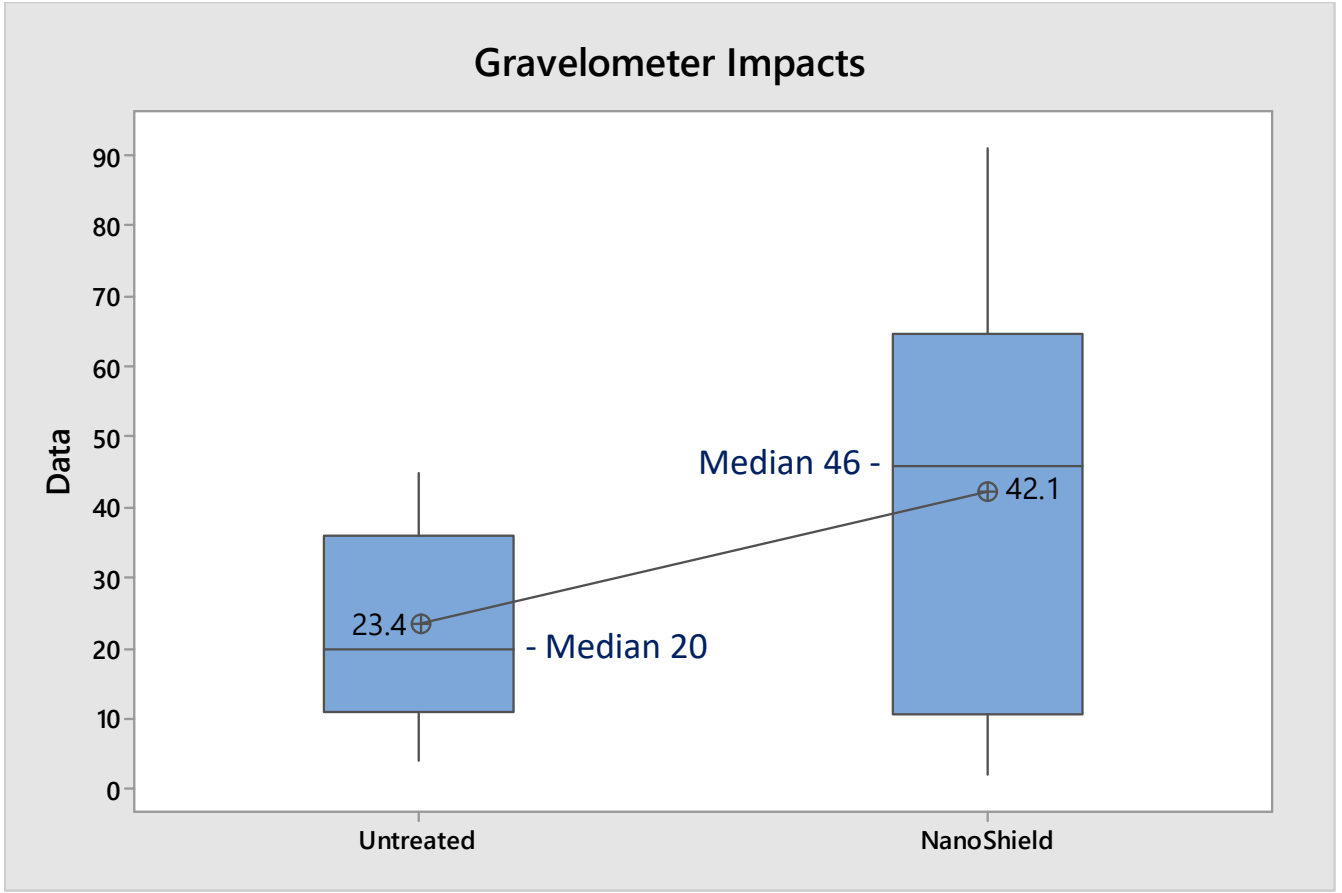
No Significant Change In Transmission and Reflection

Additional Studies

Gravelometer Testing

(SAE J400 Modified)

Results Provide Definitive Evidence That nanoShield™ Increases Chip Resistance



- **80% Improvement Average Impact Threshold**
- **130% Improvement Median (Middle Data Point) Impact Threshold**

Statistically Significant Improvements

Maintenance & Results

nanoShield™ Annual Maintenance

Normal wear and tear of the windshield continues and new stress cracks and surface micro-fractures occur from:

- Impact due to road debris
- Stresses applied to the glass by a flexing vehicle body
- Other environmental factors due to weather, etc.

Solution:

To maintain enduring performance **C-Bond recommends re-application of nanoShield™ once a year** to continue protection against chipping, cracking and breakage of the windshield.

nanoSHIELD™

nanoShield™ Pilot Program Results

Pilot Program with Leading Global Car Rental Firm Across Several Thousand Vehicles Shows 82% Reduction in Windshield Repair & Replacement Costs*

	C-Bond Pilot Cost	Untreated Actual Cost
June	$ 2,638	$87,087
July	$ 8,817	$ 111,215
August	$ 7,633	$ 121,808
September	$ 8,556	$ 111,844
October	$ 8,569	$ 233,313
November	$ 3,065	$ 118,645
Cumulative (Jun-Nov)	**$ 39,278.00**	**$ 783,912**
Cost per Vehicle	$ 11.81	$ 72.53
Total Savings per Vehicle	**$ 60.71**	

*3,300 Treated Fleet Vehicles vs 10,800 Untreated Fleet Vehicles.

CBOND SYSTEMS

nanoShield™ Pilot Net Cost-Savings Benefit*

Untreated Windshield Repair/Replacement Cost	$783,912
nanoShield Treated Windshield Repair/Replacement Cost	- $39,278
Application Cost	- $49,500
TOTAL SAVINGS	**$695,134**

$695,134 of pure profit† every 6 months for this region!

† Potentially more than $1.5M SAVINGS/PROFIT PER YEAR when all 14,100 vehicles are treated.

How much of a sales increase would be needed to generate the same amount of profit?

*3,300 Fleet Vehicles vs 10,800 Untreated Fleet Vehicles, from previous slide.