



North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
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## PRODUCT HIGHLIGHT – Protectosil® Antigrffiti

The Protectosil® Antigrffiti product is manufactured by Evonik Industries out of Parsippany, New Jersey. It is currently listed as Approved on the Approved Products List (APL) as NP18-8193. Protectosil® Antigrffiti is an ultra-low volatile organic compound, Fluorosilane (H<sub>3</sub>SiF) based product. It is a clear, breathable product for use on concrete, brick, concrete masonry units and natural stone that will not alter the natural appearance of the substrate. Protectosil® Antigrffiti can protect surfaces to allow for the easy removal of a wide variety of graffiti, including spray paint, permanent marker, ink, bituminous paints, asphalt sealers, and other solvent or waterborne paints. It has an ASTM 6578 Cleanability Level of 3 after 25 cycles. It is available in either 5- or 55-gallon drums and has a coverage rate of one gallon for approximately 175-250 SF of substrate. For more information, please visit: [www.protectosil.com](http://www.protectosil.com)



*Red spray-paint was sprayed onto a concrete wall, Protectosil® Antigrffiti is the treatment applied on the right side. The product makes it very difficult for paint to stick to masonry surfaces – image captured from Protectosil website video*

## PRODUCT INNOVATION – Greenbar® Fusion-Bonded Epoxy

Greenbar® Fusion-Bonded Epoxy (Model # 720A009) is manufactured by Sherwin-Williams out of Charlotte, North Carolina and Covington, Georgia. It is currently listed as under evaluation on the APL as NP20-8763. Greenbar® is a Fusion-Bonded Epoxy Powder Coating for steel reinforcing bars (rebar), dowel bars, and related steel reinforcing components. Greenbar® is fused to the steel surface during application, the thermoset polymer structure provides a barrier to the corrosive effects of chlorides and de-icing salts. The recommended product thickness is 7-12 mils, and its cure time is 45 seconds. For more information, please visit:

<https://industrial.sherwin-williams.com/protective>

*View of deformed (U-shaped) rebar samples that have been coated with Greenbar® Fusion-Bonded Epoxy - image from Sherwin-Williams brochure*

