# **Slurry-FIL™** Case Study: Micro Surfacing in Quarryville, PA

Since their development and launch in 1970, alkali-resistant glass fibers have been used in more than 120 countries to reinforce cement and concrete products.

**Slurry-FIL™** is an alkali- and acid-resistant glass fiber produced as an assembled roving or as pre-chopped strands which are designed for use in the production of slurry surfacing paving applications.

## PROJECT DETAILS

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| **Actors** | **Owner** | PennDOT |
| | **Contractor** | Asphalt Paving System – Medford NJ |
| | **Supporting roles** | VM Fibers Feeders and Mead Westvaco Corporation |
| **Project** | **Location** | Quarryville, PA |
| | **Date** | August 2013 |
| | **Type** | Micro Surfacing, Type 2 with 1% cement |
| | **Paving details** | One lift, 20#/yd² |
| | **Project details** | PennDot five year study of Slurry Surfacing with fibers |
| **Fibers** | **Product** | Slurry-FIL™ ¼" 82 Tex |
| | **Target addition rate** | Slurry-FIL™ .2% |
| | **Actual addition rate** | .2% |
| **Slurry-FIL™** | **User friendly** | Pre-chopped strands dispersed quickly throughout matrix |
| | **Excellent workability** | Fiber-reinforced Micro Surfacing flowed effortlessly |
| | **Reduced water demand** | No additional water needed to achieve good workability |
| | **Improved set time** | There were no delays in opening road to traffic |
| | **Service benefits** | Reduced reflective cracking and improved long term durability |

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