



## Slurry-FIL™ Case Study: Micro Surfacing in Dartmouth, MA



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



<b>Actors</b>	<b>Owner</b>	City of Dartmouth, MA
	<b>Contractor</b>	Sealcoating Inc.
	<b>Supporting roles</b>	VM Fiber Feeders, Ergon Asphalt & Emulsions
<b>Project</b>	<b>Location</b>	Dartmouth, MA
	<b>Date</b>	August 2012
	<b>Type</b>	Micro Surfacing, Type 2 with 1% cement
	<b>Paving details</b>	Two 15# lifts
<b>Fibers</b>	<b>Project details</b>	Evaluation of fibers and high modified mixes
	<b>Product</b>	Slurry-FIL™ 4800 Tex Roving, MicroTek “polyester fiber”
	<b>Target addition rate</b>	0.2% Slurry-FIL™ product, 0.05% MicroTek
	<b>Actual addition rate</b>	0.25%
<b>Slurry-FIL™</b>	<b>User friendly</b>	Roving chopped and dispersed quickly throughout the mix
	<b>Excellent workability</b>	Fiber-reinforced Micro Surfacing flowed effortlessly
	<b>Reduced water demand</b>	Mix design did not need additional water to achieve good workability
	<b>Improved set time</b>	No delay in reopening streets to traffic
	<b>Service benefits</b>	Reduced reflective cracking and improved long-term durability

[cem-fil@owenscorning.com](mailto:cem-fil@owenscorning.com)  
[www.Cem-Fil.com](http://www.Cem-Fil.com)

This information and data contained herein is offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.

Owens Corning reserves the right to modify this document without prior notice. © 2015 Owens Corning. All Rights Reserved.  
 Pub number: 10019587. Slurry-FIL Case Study\_Micro Surfacing Dartmouth MA\_01-2015\_Rev0\_EN. January 2015