



August 4, 2010

Mr. Mark Edwards  
Senior Executive Vice President  
PHIFER Incorporated  
P.O. Box 1700  
4400 Kauloosa Avenue  
Tuscaloosa, Alabama 35401-7042

Dear Mr. Edwards,

This letter is sent to confirm that the following SheerWeave® window treatment fabrics with Microban IC additive pass these Antifungal and Antibacterial test methods:

**ASTM E-2180** – A quantitative bacterial test for hydrophobic flat materials. This 72-hour test is conducted in a Petri dish.

Sheerweave 2000 Series with Microban	Pass, No Growth
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**ASTM G22** – A qualitative Petri dish-based bacterial test with extensive contact between the bacteria and the test sample surface for a long duration of 28 days.

Sheerweave 2000 Series with Microban	Pass, No Growth
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**AATCC 30 Part III** - Qualitative evaluation of antifungal activity. Samples are inoculated with a standardized number of fungal spores, incubated for 7 days and then evaluated for antifungal performance.

Sheerweave 2000 Series with Microban	Pass, No Growth
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**ASTM D3273** – This 28 day qualitative fungal test is performed in a chamber that simulates a highly aggressive 'real world' environment of rainforest-like conditions with high temperatures (90°F) and high relative humidity (>95%R.H.)

Sheerweave 2000 Series with Microban	Pass, No Growth
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**ASTM 6329** – A qualitative fungal test in which fungal spores of a known quantity are placed on the surface of a treated and control sample. Test samples are incubated in Petri dishes for 21 days at 25°C and 95% relative humidity.

Sheerweave 2000 Series with Microban	Pass, No Growth
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**ASTM G21**– A qualitative fungal test in which five types of fungal spores are applied to the surface of a treated and control sample. Test samples are incubated in Petri dishes for 28 days at 28-30°C. Pass criteria is <10% growth.

Sheerweave 2000 Series with Microban	Pass
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Microban Additive IC antimicrobial technology can also be applied to the following similar styles:

SheerWeave Styles

- Style 1000      Style 2500
- Style 2000      Style 2701
- Style 2100      Style 2703
- Style 2360      Style 2705
- Style 2390      Style 2710
- Style 2410      SheerWeave Fiberglass 'specials'

Sincerely,

Ivan Ong, Ph.D. | Director, Materials Engineering