



Mark Edwards  
Senior Executive Vice President Chief Marketing Officer  
Phifer Incorporated  
P.O. Box 1700  
Tuscaloosa, AL 35403-1700

August 11, 2023

Dear Mark,

This note is to confirm the listed Phifer products are produced with Microban antimicrobial technology and pass the listed Antifungal and Antibacterial test methods.

Microban antimicrobial technology is applied to the following products and styles (all colors).

- SheerWeave Styles: Basic 1%/3%/5%, 1000, 2000, 2100, 2390, 2410, 2500, 2360, 2390 Performance +, 2410 Performance +, 2500 Performance +, 2701, 2703, 2705, 2710, 3000, 4000, 4001, 4100, 4400, 4500, 4550, 4600, 4650, 4800, 4901, 4903, 5000, 7100
- SunTex Styles: 80, 90, 90 Design, 95
- TuffScreen
- Phifertex

All results – (Pass, No Growth), (\*Pass)

ASTM E-2180 – A quantitative bacterial test for hydrophobic flat materials. This 72 hour test is conducted in a Petri dish and the bacteria population on the treated piece is recovered, enumerated and compared against the bacterial population of the untreated sample. Treated samples show > 99.9% reduction with respect to untreated controls.

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.

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.

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%).

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.

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 a rating of 1 or better.

Best regards,

A handwritten signature in black ink that reads "Eric Blaeser". The signature is written in a cursive, flowing style.

Eric Blaeser  
Senior Director, Americas Business Development Group Lead  
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