THOMSON RESEARCH ASSOCIATES

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Antimicrobial Assessment of One Wood Fiber Panel Sample

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One wood fibre panel sample, treated with Ultra-Fresh DM-50N, was received from Absoluson on December 02, 2008. At Thomson Research Associates Inc., the sample was tested for resistance to mixed fungal growth using the ASTM Method G-21-96 (2002).

PROCEDURE

Fungal Resistance Test:

ASTM Method G 21-96 (2002) "Determining resistance of synthetic polymeric materials to fungi" was used to test the specimen. In brief, the specimen was placed onto a mineral salts agar medium and then inoculated with a mixed fungal spore inoculum (with 5% potato dextrose broth) consisting of equal numbers of spores of the following species:

Aspergillus niger (ATCC #9642)
Aureobasidium pullulans (ATCC #15233)
Chaetomium globosum (ATCC #6205)
Trichoderma virens (ATCC #9645)
Penicillium funiculosum (ATCC #11797)

The inoculated specimen is then incubated at 28C for 28 days, in order to allow adequate time for mature fungal growth to appear.

RESULTS

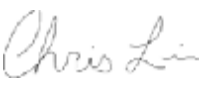
Sample Description		ASTM G-21-96 (2002)			
		7 days	14 days	21 days	28 days
1	Sound Barrier Wood Fibre Panel Treated with 10 g/L Ultra-Fresh DM-50N with Brown Pigment	0	0	0	0

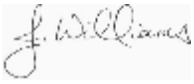
Note: The level of treatment stated above indicates theoretical levels only.

Notes: G 21-96 (2002): 0 = specimen remained free of fungal growth.
1 = traces of growth on specimen (less than 10%).
2 = light fungal growth on specimen (10 to 30%).
3 = medium fungal growth on specimen (30 to 60%).
4 = heavy fungal growth on specimen (60% to complete coverage)

CONCLUSION

In the ASTM G-21-96 (2002) Test, the sample remained free from mixed fungal growth after 28 days of incubation.





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