

7/5/2007

Microbiological Analysis Report

Triple Lite, Inc.

Subject: Fungal Resistance Testing

Background & Objectives

One sample was received on June 4, 2007 for fungal resistance testing using the ASTM C-1338 test method.

Protocol

ASTM C-1338, Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings, test was strictly followed.

Overview of Test Protocol

This test method is designed for the qualitative determination of the ability of new insulation materials and their facings to support fungal growth.

Specifics of the Test

Samples

Trilite RMS Board (RMS - Reinforce Magnesium Silicate)

Test Inoculum

The fungal inoculum consisted of five species:

Aspergillus niger ATCC 9642

Aspergillus flavus ATCC 9643

Aspergillus versicolor ATCC 11750

Chaetomium globosum ATCC 6205

Penicillium funiculosum ATCC 11757

Test samples, tested in triplicate, were placed in sterile petri dishes and inoculated with the test fungi. The samples were incubated at 30°C for 4 weeks and examined weekly for the growth of the test organisms.

Evaluation of Results

For the evaluation of the relative resistance of insulation materials and their facings, the following rating system was used:

1. If test specimens that have growth greater than or equal to that on the positive control will be considered to have failed.

2. If test specimens that have growth which is not greater than that on the positive control will be considered to have passed.
3. If no growth is the criterion, the observation of any growth on the test specimen will be considered to have failed.

| Fungal Growth Rating Legend | |
|---|---|
| None | 0 |
| Traces of growth (less than 10%) | 1 |
| Light growth (10-30%) | 2 |
| Medium growth (30-60%) | 3 |
| Heavy growth (60% to complete coverage) | 4 |

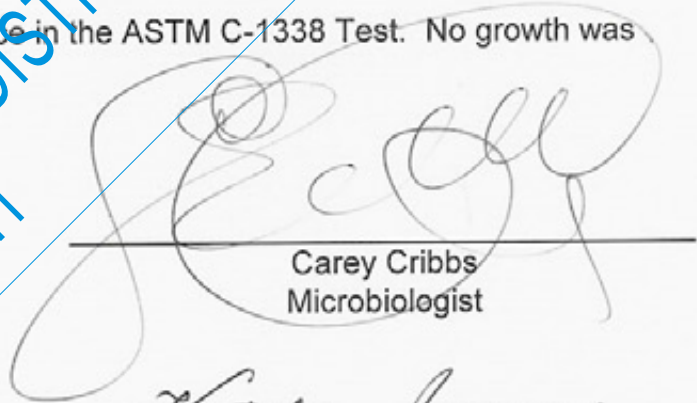
Results

Table 1 shows the Fungal Resistance Test results

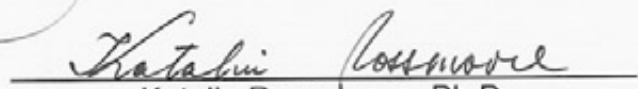
Conclusions

Trilite RMS Board showed fungal resistance in the ASTM C-1338 Test. No growth was observed on the triplicate samples.

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Table 1. Fungal Resistance of Polymeric Surfaces

| Sample | Observed Fungal Growth on Treated Surface after 28 days incubation at 30°C | | |
|--|--|---|---|
| | 1 | 2 | 3 |
| Triple RMS Board (RMS - Reinforce Magnesium Silicate) | 0 | 0 | 0 |
| Positive Growth Control - Pine | 4 | 4 | 4 |

| 1. Fungal Growth Rating Legend | |
|---|---|
| None | 0 |
| Traces of growth (less than 10%) | 1 |
| Light growth (10-30%) | 2 |
| Medium growth (30-60%) | 3 |
| Heavy growth (60% to complete coverage) | 4 |