AIR QUALITY SCIENCES, INC.
Business Solutions for Healthy Indoor Environments

A MICROBIAL RESISTANCE EVALUATION OF INDOOR MATERIALS

AIR KRETE INSULATION SAMPLE

prepared for

AIR KRETE

RELEASED BY AIR QUALITY SCIENCES, INC.
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1337 Capital Circle
Atlanta, Georgia 30067
770-933-0638 • Fax: 770-933-0641

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EXECUTIVE SUMMARY

PROJECT DESCRIPTION

Air Quality Sciences, Inc. (AQS) is pleased to present the results of its microbial resistance evaluation of Air Krete's indoor material identified as "Air Krete Insulation Sample". AQS conducted this study using a microbial test protocol following the requirements of ASTM Guideline D 6329-98 (1). This ASTM method is established to study indoor materials for their ability to support mold growth. Testing of the indoor material was conducted using static environmental chambers operating at 75% humidity (considered a "high normal" for indoor commercial spaces) and 95% humidity (considered an extreme moisture condition within buildings). Air Krete's indoor material was inoculated with two representative indoor molds, Stachybotrys chartarum and Eurotium amstelodami, and growth rates were measured over a three-week period as the materials were exposed in the two humidity environments. Mold growth is considered significant if it exceeds 20% of the initial baseline levels. Test methodology and results are given in the attached summary reports.

RESULTS

Results show that the "Air Krete Insulation Sample" was resistant to mold growth at both 75% and 95% relative humidities. Neither molds were found to amplify in the materials at either humidity.

Summary of test results are included in Attachment A.