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SURFACES INC.

Soundproofing | Acoustics | Noise & Vibration Control



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Thermal Resistance Test Report

Date of Test: January 30, 2000 Date of Manufacture: N/A
Fox Number: 6411 Specimen Number: 1175020123-4

R&D Test Number RD021120TR

Description of test specimen: Acoustic Board 1", 3#

Report Rendered by Manufacturer for Acoustical Surfaces Inc.

Report prepared for: Manufacturer/Tod Kean

The results in this report were obtained with a heat-flow meter built and operated in accordance with ASTM C 518. The test results in a value for the apparent thermal conductivity of the test specimen, k, in units W/m.K. The thermal resistivity, R-value per inch, in U.S. customary units is the reciprocal of the product of 6.933 and k.

Heat flow meter:	<u>12 by 12</u>	inches x inches
Specimen thickness:	<u>1.000</u>	inches
Specimen density:	<u>3.57</u>	lb/ft ³
Cold Plate temperature:	<u>52.56</u>	deg F
Hot plate temperature:	<u>97.56</u>	deg F
Average specimen temperature:	<u>75.06</u>	deg F
Apparent thermal conductivity:	<u>0.2589</u>	Btu.in/ft ² .hr.°F
Thermal resistivity (R-per-inch):	<u>3.862</u>	ft ² .hr°FBtu.in
Thermal resistance of specimen:	<u>3.86</u>	ft ² .hr°FBtu

Notes: Calibration factor used for manual calculation? NA EMF NA
Edge guards or cabinet temperature satisfactory? Yes
Excessive moisture on cold plate? No
Length of time for test (hours)? 4.7

Reviewed By: _____ Date: _____
Ronald S. Lewis *01-30-00*

Test results reported apply only to the specimen tested. This test conforms to ASTM Test Method C 518 except for the report requirements. The report includes summary data but a full complement of data is available upon request.