



Title: Thermal Resistance Test Results

Product: 1" Echo Eliminator (3 lb. pcf)

Application: Ceiling or Wall

Testing Standard: ASTM C518

Test Date: 1/30/2000

Why this test: This test uses a heat flow meter apparatus to quickly determine the steady-state thermal transmissions properties of a material with a high level of accuracy.

Test Result Summary: Thermal Resistivity (R-Value per Inch): 3.86

Test ID: RD021120TR

ASI TEST RESULT DISCLAIMER

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.

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P.O. BOX 2400
Cookeville, Tennessee 38502-2400
Phone 931-372-8871
Fax 931-525-3896

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: 12 by 12 inches x inches
Specimen thickness: 1.000 inches
Specimen density: 3.57 lb/ft³
Cold Plate temperature: 52.56 deg F
Hot plate temperature: 97.56 deg F
Average specimen temperature: 75.06 deg F
Apparent thermal conductivity: 0.2589 Btu.in/ft².hr.°F
Thermal resistivity (R-per-inch): 3.862 ft².hr°F/Btu.in
Thermal resistance of specimen: 3.86 ft².hr°F/Btu

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. Swain 02-02-02

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.