Title: Thermal Resistance Test Results

Product: 2" Echo Eliminator (3 lb. pcf)

Application: Ceiling or Wall

Testing Standard: ASTM C518

Test Date: 1/29/2002

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): 3.75

Test ID: RD021122TR

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Thermal Resistance Test Report

Date of Test: January 29, 2002 Date of Manufacture: N/A

Fox Number: 6410 Specimen Number: 1175020123-6

R&D Test Number RD021122TR

Description of test specimen: Acoustic Board 2", 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:	2.001	inches
Specimen density:	3.49	lb/ft^3
Cold Plate temperatur:e	52.56	deg F
Hot plate temperature:	97.56	deg F
Avaerage specimen temperature:	75.06	deg F
Apparent thermal conductivity:	0.2663	$Btu.in/ft^2.hr.\ °F$
Thermal resistivity (R-per-inch):	3.755	$ft^2.hr°FBtu.in$
Thermal resistance of specimen:	7.51	$ft^2.hr°FBtu$

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)? 23.5

Reviewed By: Date:

Ronald S Straka 02-28-02

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