STOP NOISE ACOUSTICAL SURFACES INC.
Sound Solutions for Over 40 Years | Soundproofing | Acoustics | Noise & Vibration Control

R&D Services

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Report of Thermal Test for R Value

Date of Test: July 27, 2000 Test Number: N/A

Date of Manufacture: NA R&D Number: 1175000725-1

R&D Test Number RD021134TR

Description of test specimen: R-19 UltraTouch Blue Batt; 5.5" in thick

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:	24 by 24	inches x inches
Specimen thickness:	5.500	inches
Specimen density:	1.20	lb/ft^3
Cold Plate temperature	52.56	deg F
Hot plate temperature:	97.59	deg F
Average specimen temperature:	75.08	deg F
Apparent thermal conductivity:	0.2939	Btu.in/ft^2.hr. °F
Thermal resistivity (R-per-inch):	3.403	ft^2.hr.°FBtu.in
Thermal resistance of specimen:	18.7	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)? 18.7

Reviewed By: Date:

Ronald S Straka 02-12-02

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.