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Report of Thermal Test for R Value

Date of Test: December 15, 2000

Test Number: 6020

Date of Manufacture: September 13, 2000

R&D Number: 1071000922-3

Description of test specimen: Reflectix DB3; One 12 x 12 piece; Tested at 5/16 in thickness

Report prepared for: Reflectix - Monty Millspaugh

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>24 by 24</u>	inches x inches
Specimen thickness:	<u>0.312</u>	inches
Specimen density:	<u>NA</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>0.2891</u>	Btu.in/ft ² .hr.°F
Thermal resistivity (R-per-inch):	<u>3.459</u>	ft ² .hr.°F/Btu.in
Thermal resistance of specimen:	<u>1.08</u>	ft ² .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)? 1.5

REFERENCE

Ronald S. Swain
 Reviewed By:

12-23-00
 Date:

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