Test Report

Thermal Resistance Measurements According to ASTM C518 on Owens Corning SOFTR® Duct Wrap Type 75-R-6.0

Prepared For:

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Report: RD12659

November 9, 2012

The test results in this report apply only to the specimens tested. The tests conform to the respective test methods except for the report requirements. The report includes summary data but a full complement of data is available upon request. This report shall not be reproduced, except in full, without written approval of R & D Services, Inc. This report must not be used by the Client to claim product endorsement by R & D Services, Inc., NVLAP, NIST or any other agency of the U.S. Government.
Thermal Resistance Test Report

Test Number: RD122867TR Date of Test: October 31, 2012
Specimen Number: 1001121024-14 Date of Manufacture: Unknown
HFM File Number: 12-2009

Description of Test Specimen: Owens Corning; SOFTR® Duct Wrap Type 75- R-6.0.


Report Prepared For: Owens Corning / Mr. Clint Frysinger

The results in this report were obtained with a heat-flow meter built and operated in accordance with ASTM C 518-10.

Heat flow meter: 24 by 24 in. by in.
Specimen thickness: 2.200 inches
Specimen density: 0.71 lb/ft³
Cold plate temperature: 55.04 °F
Hot plate temperature: 95.04 °F
Average specimen temperature: 75.04 °F

Apparent thermal conductivity: 0.2888 Btu·in./ft²·hr·°F
Thermal resistivity (R-per-inch): 3.463 ft²·hr·°F/Btu.in
Thermal resistance of specimen: 7.62 ft²·hr·°F/Btu

Notes: Calibration factor used for manual calculation? NA  EMF NA
Heat Flow Direction: Up
Edge guards or cabinet temperature satisfactory? Yes
Excessive moisture on cold plate? No
Length of time for test (hours) 2.2

The precision of this test is estimated to be 2.5 % (Section 10.8, ASTM C 518-10)

Reviewed By: 11-9-12
Date:

*Abridged ASTM C518 Test Report.*
Thermal Resistance Test Report

Test Number: RD122868TR  Date of Test: November 1, 2012
Specimen Number: 1001121024-14  Date of Manufacture: Unknown
HFM File Number: 12-2009a

Description of Test Specimen: Owens Corning; SOFTR® Duct Wrap Type 75- R-6.0.


Report Prepared For: Owens Corning / Mr. Clint Frysinger

The results in this report were obtained with a heat-flow meter built and operated in accordance with ASTM C 518-10.

Heat flow meter: 24 by 24 in. by in.
Specimen thickness: 1.625 inches
Specimen density: 0.96 lb/ft³

Cold plate temperature: 55.04 °F
Hot plate temperature: 95.04 °F
Average specimen temperature: 75.04 °F

Apparent thermal conductivity: 0.2626 Btu·in./ft²·hr·ºF
Thermal resistivity ( R-per-inch): 3.808 ft²·hr·ºF/Btu.in
Thermal resistance of specimen: 6.19 ft²·hr·ºF/Btu

Notes: Calibration factor used for manual calculation? NA  EMF NA
Heat Flow Direction: Up
Edge guards or cabinet temperature satisfactory? Yes
Excessive moisture on cold plate? No
Length of time for test (hours) 2.8

The precision of this test is estimated to be 2.5 % (Section 10.8, ASTM C 518-10)

Reviewed By:  11-9-12

*Abridged ASTM C518 Test Report.