



## Test Report

### Thermal Resistance Measurement According to ASTM C518 on Creative Sport Concepts Composite Assembly (Turf, Panel, Geotextile Product)

Prepared For:

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Report: RD10615

Reviewed by: *Ronald S Graves*  
Ronald S. Graves  
Vice-President

November 16, 2010

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## Thermal Resistance Test Report

Date of Test: November 8-9, 2010                      Date of Manufacture: Unknown  
HFM File Number: 10-1758                              Specimen Number: 1633101029-2,4  
Test Number: RD103120TR

Description of Test Specimen: Creative Sport Concepts, Inc.; Composite; Turf, Panel, Geotextile Product.

Test Method: ASTM C 518-10, "Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus."

Report Prepared For: Creative Sport Concepts, Inc. / Gary Nissen

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: _____	<u>24 by 24</u>	in. by in.
Specimen thickness: _____	<u>2.800</u>	inches
Specimen density: _____	<u>NA</u>	lb/ft <sup>3</sup>
Cold plate temperature: _____	<u>55.02</u>	°F
Hot plate temperature: _____	<u>95.04</u>	°F
Average specimen temperature: _____	<u>75.03</u>	°F
Apparent thermal conductivity: _____	<u>0.8146</u>	Btu·in./ft <sup>2</sup> ·hr·°F
Thermal resistance of specimen: _____	<u>3.44</u>	ft <sup>2</sup> ·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) 21.1  
The precision of this test is estimated to be 2.5% (Section 10.8, ASTM C 518-10)

Ronald S. Swales  
Reviewed By:

11/16/10  
Date:

The results in this report apply only to the specimen tested. This test conforms to ASTM Test Method C 518-10 except for the report requirements. The report includes summary data but a full complement of data is available upon request.