



# PRODUCT TESTING SERVICE

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TCNA TEST REPORT NUMBER: TCNA-503-11

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**TEST REQUESTED BY:** Eneray Sustainable Structures, Inc.  
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Box 727  
Moose Jaw, SK S6H 4P4  
Canada

**TEST SUBJECT MATERIAL:** Identified by client as: VersaTile

**TEST DATE:** 1/3/12

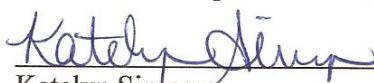
**TEST PROCEDURE:** ASTM C648: "Standard Test Method for Breaking Strength of Ceramic Tile"  
-Ten whole tiles were tested.  
-The tiles were loaded at a rate of 1000 pounds per minute.  
-A three-inch equilateral triangular support was used to hold the tiles during loading.  
-Testing was performed on an Instron Universal Tester, model #3385-H

**TEST RESULTS:** The average breaking strength of ten (10) tiles was: **1009 lbf.**

The individual results of breaking strength are as follows:

Specimen 1: **1008 lbf**  
Specimen 2: **1010 lbf**  
Specimen 3: **1008 lbf**  
Specimen 4: **1007 lbf**  
Specimen 5: **1011 lbf**  
Specimen 6: **1009 lbf**  
Specimen 7: **1009 lbf**  
Specimen 8: **1011 lbf**  
Specimen 9: **1007 lbf**  
Specimen 10: **1009 lbf**

Note: Samples did not fully break. An indentation was made where the point load was applied.

  
Katelyn Simpson  
Laboratory Manager

1/10/12  
Date

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