

**Central Laboratory Operations  
Laboratory Test Report**

**Test Number:** 101508-2

**Date Completed:** 10-23-2008

**Product Information:**

**Division:** Design Origins  
**Style:** Lakeshore SoftBac

**Test Conducted:** ASTM E 648-97 - Critical Radiant Flux of Floor Coverings  
Using a Radiant Heat Energy Source

**Substrate:** Glassfiber Reinforced Cement Board  
**Underlay:** Direct Glue Down  
**Adhesive:** Shaw Subset 1000  
**Conditioning:** 70 +/- 2 degrees F and 50 +/- 5 % RH

<b><u>Results:</u></b>	<b><u>Time to Flame Out</u></b>	<b><u>Distance</u></b>	<b><u>Critical Radiant Flux</u></b>
<b>Specimen 1</b>	13.1 min.	3.7 cm	0.93 Watts/cm <sup>2</sup>
<b>Specimen 2</b>	11.8	3.6	0.93
<b>Specimen 3</b>	78.6	50.9	0.34

**Average Critical Radiant Flux:** 0.73 Watts/cm<sup>2</sup>  
**Standard Deviation:** 0.34  
**Coefficient of Variation:** 45.45%

**Sample Meets or Exceeds the Requirements of NFPA Class I**

Approved by: Charley Tidwell

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