

# Thermal Resistance

Cellular Concrete Technologies



QAI Laboratories

Cellular Concrete Technologies C 518 Test Results

On August 05, 2011, QAI Laboratories reported the following lab results for Cellular Concrete Technologies' insulated lightweight concrete sample. The R-Value (Thermal Resistance) per inch calculation and lab results can be seen below:

Specimen Thickness: 1.34"

Thermal Conductivity ( "K" Value)

(Btu x in/ft<sup>2</sup> x ° F x h)

0.55

Specimen Thickness: 1.34"

Thermal Resistance ("R Value)

(° F x h x ft<sup>2</sup>/Btu)

2.44

R-Value per Inch

R-Value/Inch =  $\frac{2.44}{1.34} =$

**1.82**

Contact Information

Cellular Concrete Technologies  
100 Pacifica, Suite 130  
Irvine, CA 92618  
(877) 828-1954 or (949) 754-0570  
[www.cellularconcretetechnologies.com](http://www.cellularconcretetechnologies.com)