



**FUZION™**  
TECHNOLOGIES, INC.

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**TECHNICAL DATA**  
**AC BRAND TYPE II**  
Chemical Resistant Brick

**August, 2011**

Water Absorption	4%
Porosity	8%
Bulk Density	2.32 g/cc
Modulus of Rupture	2000 psi
CCS	12000 psi
Youngs Modulus (PSI)	7.0E +06
Acid Solubility	less than 8%

Thermal Conductivity	
BTU In/Hr. Sq. Ft.	
at 300° F	8.31
at 600° F	8.85
at 1299° F	9.51
at 1600° F	10.5

Calcined Basis  
Chemical Analysis:

SiO <sub>2</sub>	66.35%
Al <sub>2</sub> O <sub>3</sub>	28.00%
TiO <sub>2</sub>	1.70%
Fe <sub>2</sub> O <sub>3</sub>	0.40%
CaO	0.35%
MgO	0.65%
Na <sub>2</sub> O	0.30%
K <sub>2</sub> O	2.25%

The information contained in this bulletin are average tests results determined by ASTM Test Procedures and are subject to normal variation or individual tests. All data is believed to be accurate and reliable but is not to be construed as implying any warranty or guarantee of performance.