



FUZION[™]
TECHNOLOGIES, INC.

www.fuziontechnologies.us

Freeport Brick Division

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**Armstrong Precision Manufacturing
Division**

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Kittanning PA 16201
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Fuzion - Memphis

4126 Delp Street Suite 200
Memphis TN 38118
901-365-6632

TECHNICAL DATA

AC BRAND TYPE I

Chemical Resistant Brick

Porosity	15%
Water Absor.	6 %
Bulk Density	2.25 g/cc
Modulus of Rupture	1800 psi
CCS	10000 psi
Youngs Modulus (PSI)	5.5E +06
Acid Solubility	less than 15%
BTU In/Hr. Sq. Ft.	
Therma Conductivity	
at 300 Deg. F.	8.23
at 600 Deg. F.	8.74
at 1299 Deg. F.	9.4
at 1600 Deg. F	10.4

CALCINED BASIS

CHEMICAL ANALYSIS

SiO ₂	66.35%
Al ₂ O ₃	28%
TiO ₂	1.70%
Fe ₂ O ₃	0.40%
CaO	0.35%
MgO	0.65%
Na ₂ O	0.30%
K ₂ O	2.25%

The information contained in this bulletin is average test results determined by ASTM Test procedures and are subject to normal variations on 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 .

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