



**FUZION™**  
TECHNOLOGIES, INC.

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## TECHNICAL DATA

August, 2008

### Freeport Brick Division

P.O. Box 338  
Freeport PA 16229  
724-295-2800  
Fax 724-295-2815

### Armstrong Precision Manufacturing Division

114 West Park Drive  
Kittanning PA 16201  
724-545-2223  
Fax 724-543-2592

### Kittanning Brick Division

R.D. #1, Box 279  
Adrian PA 16210  
724-543-1200  
Fax 724-868-2721

### Memphis Division

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

## F70 PH3 BRAND

Apparent Porosity	19.0%
Bulk Density	2.60 g/cc 162 lbs/cuft
Permanent Linear Change (2912°F (1600°C) - 2 hrs.)	2.8%
Linear Thermal Expansion (1832°F (1000°C))	0.6%
Cold Crushing Strength	5000 psi
Modulus of Rupture	1100 psi
Calcined Basis Chemical Analysis:	
Al <sub>2</sub> O <sub>3</sub>	70.80%
SiO <sub>2</sub>	21.00%
CaO	0.30%
MgO	0.30%
Na <sub>2</sub> O	0.10%
K <sub>2</sub> O	0.70%
Fe <sub>2</sub> O <sub>3</sub>	1.70%
TiO <sub>2</sub>	3.10%
P <sub>2</sub> O <sub>5</sub>	2.00%

The information contained in this bulletin is 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.