

THE BISHOP MATERIALS LABORATORY

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Results of Tests on Brick conducted in accordance with ASTM C67-12 Standard Method for Sampling and

			Testing Br	rick and Structural C	Clay Tile				
				05/08/2013					
Name: Whitacre-Gree				Plant: W		Vhitacre-Greer Fireproofing Company			
	400 South Mahoning Avenue Alliance, OH 44601				Report Number: W		WGFC-0070		
,	(330) 206-2009			Sampled Date: 04		04/15/2013			
	(330) 200-2003			Lot:					
Fax:				Product Co	ode:				
Sample Description: 8-1/4 x 4 x	2-1/2	Firebrick							
								Test Date	
Absorption		1	2	3	4	5	Average		
24 Hour Submersion in Cold Water (%)		5.39	6.17	6.03	5.78	7.36	6.15	05/01/201	
5 Hour Submersion in Boiling Water (%)		6.80	7.50	7.50	6.91	8.93	7.53		
Saturation Coefficient (Ratio of 24H to	5 <i>5H)</i>	0.79	0.82	0.80	0.84	0.82	0.82		
Compressive Strength		1	2	3	4	5	Average		
	psi	9,375	11,311	8,487	8,549	7,852	9,115	05/03/201	
	MPa	64.6	78.0	58.5	58.9	54.1	62.8		
Efflorescence		11	12	13	14	15			
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresc	Not ed Effloresced		04/29/201	
IRA		6	7	8	9	10	Average		
g/min/3	0 in.²	33.5	45.2	47.5	37.4	57.1	44.1	04/30/201	

The brick represented by the test results shown here comply with the standards listed below:

ASTM C 216 - 12 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW, with absorption alternate in section 6.1.2

Jhn Sunder

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Harry W. Jacker

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