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**CEMENT  
MILL  
TEST**

**Cement Identified as:** **Masonry Cement, Type M** **Date:** **09/02/22**  
**Production Dates:** **July, 2022**

PHYSICAL REQUIREMENTS	ASTM C 91 SPECIFICATIONS			RESULTS
		Type M		
(ASTM C430) 45-um sieve, % retained	Maximum	24		7
(ASTM C151) Autoclave Expansion, %	Maximum	1.0		0.07
(ASTM C266) Time of Setting (Gillmore)				
Initial Set, minutes	Minimum	90		195
Final Set, minutes	Maximum	1000		285
(ASTM C185) Air Content, %	Range	8-19		14
(ASTM C1506) Water Retention	Minimum	70		76
(ASTM C109) Compressive Strength, psi (Mpa)				
7 Day	Minimum	1800 ( 12.4 )		3150 ( 21.7 )
28 Day	Minimum	2900 ( 20.0 )		3590 ( 24.8 )

'We hereby certify that this cement conforms to all of the standard requirements for masonry cement in the above specification for the type specified.

By: *Rusty Strader*

Physical Testing completed by: TL, JT  
 Chemical Testing completed by: CA, NC, KL, NM

Rusty Strader  
 Quality Control Manager  
 Fairborn Cement Company