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**CEMENT  
MILL  
TEST**

**Cement Identified as:** **Masonry Cement, Type M** **Date:** **02/02/22**  
**Production Dates:** **December, 2021**

PHYSICAL REQUIREMENTS	ASTM C 91 SPECIFICATIONS			RESULTS
		Type M		
(ASTM C 430) 45-um sieve, % retained	Maximum	24		<b>9</b>
(ASTM C 151) Autoclave Expansion, %	Maximum	1.0		<b>0.09</b>
(ASTM C 266) Time of Setting (Gillmore)				
Initial Set, minutes	Minimum	90		<b>193</b>
Final Set, minutes	Maximum	1000		<b>285</b>
(ASTM C 185) Air Content, %	Range	8-19		<b>13</b>
(ASTM C 1506) Water Retention	Minimum	70		<b>79</b>
(ASTM C 109) Compressive Strength, psi (Mpa)				
7 Day	Minimum	1800 ( 12.4 )		<b>3030 ( 20.9 )</b>
28 Day	Minimum	2900 ( 20.0 )		<b>3515 ( 24.2 )</b>

'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: DG, JT  
Chemical Testing completed by: TA, NC, KL, NM

Rusty Strader  
Quality Control Manager  
Fairborn Cement Company