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**CEMENT  
MILL  
TEST**

**Cement Identified as:** **Masonry Cement, Type N** **Date:** **10/29/21**  
**Production Dates:** **September, 2021**

PHYSICAL REQUIREMENTS	SPECIFICATIONS	ASTM C 91 Type N	RESULTS
(ASTM C 430) 45-um sieve, % retained	Maximum	24	<b>6</b>
(ASTM C 151) Autoclave Expansion, %	Maximum	1.0	<b>0.11</b>
(ASTM C 266) Time of Setting (Gillmore)			
Initial Set, minutes	Minimum	120	<b>240</b>
Final Set, minutes	Maximum	1000	<b>350</b>
(ASTM C 185) Air Content, %	Range	8-21	<b>18</b>
(ASTM C 1506) Water Retention	Minimum	70	<b>83</b>
(ASTM C 109) Compressive Strength, psi (Mpa)			
7 Day	Minimum	500 ( 3.4 )	<b>1890 ( 13.0 )</b>
28 Day	Minimum	900 ( 6.2 )	<b>2190 ( 15.1 )</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