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**CEMENT  
MILL  
TEST**

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

PHYSICAL REQUIREMENTS	SPECIFICATIONS	ASTM C 91 Type S	RESULTS
(ASTM C 430) 45-um sieve, % retained	Maximum	24	6
(ASTM C 151) Autoclave Expansion, %	Maximum	1.0	0.11
(ASTM C 266) Time of Setting (Gillmore)			
Initial Set, minutes	Minimum	90	240
Final Set, minutes	Maximum	1000	350
(ASTM C 185) Air Content, %	Range	8-19	18
(ASTM C 1506) Water Retention	Minimum	70	82
(ASTM C 109) Compressive Strength, psi (Mpa)			
7 Day	Minimum	1300 ( 9.0 )	2050 ( 14.1 )
28 Day	Minimum	2100 (14.5 )	2490 ( 17.2 )

'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, MS  
 Chemical Testing completed by: TA, NC, KL, NM

Rusty Strader  
 Quality Control Manager  
 Fairborn Cement Company