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**CEMENT
 MILL
 TEST**

Cement Identified as: Masonry Cement, Type S **Date:** 10/31/22
Production Dates: September, 2022

PHYSICAL REQUIREMENTS	SPECIFICATIONS	ASTM C 91 Type S	RESULTS
(ASTM C430) 45-um sieve, % retained	Maximum	24	10
(ASTM C151) Autoclave Expansion, %	Maximum	1.0	0.11
(ASTM C266) Time of Setting (Gillmore)			
Initial Set, minutes	Minimum	90	223
Final Set, minutes	Maximum	1000	333
(ASTM C185) Air Content, %	Range	8-19	18
(ASTM C1506) Water Retention	Minimum	70	83
(ASTM C109) Compressive Strength, psi (Mpa)			
7 Day	Minimum	1300 (9.0)	2160 (14.9)
28 Day	Minimum	2100 (14.5)	2595 (17.9)

'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