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**CEMENT
MILL
TEST**

Cement Identified as: **Masonry Cement, Type S** **Date:** **03/01/22**
Production Dates: **January, 2022**

PHYSICAL REQUIREMENTS	SPECIFICATIONS	ASTM C 91 Type S	RESULTS
(ASTM C430) 45-um sieve, % retained	Maximum	24	5
(ASTM C151) Autoclave Expansion, %	Maximum	1.0	0.09
(ASTM C266) Time of Setting (Gillmore)			
Initial Set, minutes	Minimum	90	240
Final Set, minutes	Maximum	1000	350
(ASTM C185) Air Content, %	Range	8-19	18
(ASTM C1506) Water Retention	Minimum	70	82
(ASTM C109) Compressive Strength, psi (Mpa)			
7 Day	Minimum	1300 (9.0)	2320 (16.0)
28 Day	Minimum	2100 (14.5)	2610 (18.0)

'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