FAIRBORN CEMENT COMPANY

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Xenia, OH 45385
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CEMENT MILL TEST

Cement Identified as: **Masonry Cement, Type M** **Date: 10/29/20**

Production Dates: **September, 2020**

PHYSICAL REQUIREMENTS	ASTM C 91 SPECIFICATIONS Type M			RESULTS
(ASTM C 430) 45-um sieve, % retained	Maximum	24		**6**
(ASTM C 151) Autoclave Expansion, %	Maximum	1.0		**0.12**
(ASTM C 266) Time of Setting (Gillmore)				
Initial Set, minutes	Minimum	90		**185**
Final Set, minutes	Maximum	1000		**275**
(ASTM C 185) Air Content, %	Range	8-19		**14**
(ASTM C 1506) Water Retention	Minimum	70		**82**
(ASTM C 109) Compressive Strength, psi (Mpa)				
7 Day	Minimum	1800 (12.4)		**3350 (23.1)**
28 Day	Minimum	2900 (20.0)		**3990 (27.5)**

'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, NM

Rusty Strader
Quality Control Manager
Fairborn Cement Company