



Cement Mill Test Report

Month of Issue: August 2022

Plant: Harleyville, South Carolina
Product: Masonry Cement Type S
Silo: 11
Manufactured: July 2022

ASTM C91 Standard Requirements

| Item | Spec limit | Test Result |
|---|--------------------|-------------|
| Fineness, Residue retained on a 45 um sieve (%) | 24 max | 5 |
| Autoclave expansion (%) | 1.0 max | -0.02 |
| Time of setting, Gillmore method: Initial set, minutes | 90 min 1000 max | 177 |
| Compressive strength (MPa, [PSI]) 7 days | 9.0 [1300] min | 15.0 [2170] |
| 28 days (Reflects previous month's data) | 14.5 [2100] min | 19.3 [2800] |
| Air content of mortar (%) | 8 min 19 max | 15 |
| Water Retention (% of original flow) | 70 min | 79 |

Analysts: Robert Parker, Richard Buford, George Wren.

We certify that the above described cement, at the time of shipment, meets the requirements of ASTM C91.

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Certified By:

Sean J. Makens - Quality Manager
Report created: 8/10/2022