



Ash Grove
Sumterville Plant
ASTM Masonry Cement Type M/S

September Mill Certificate

Production Period : 8/1/2022 To 8/31/2022

STANDARD REQUIREMENTS

Physical Data

Item	Type M		Type S	
	Spec. Limit	Results	Spec. Limit	Results
Air Content of mortar (volume %)	8 - 19	15	8 - 19	16
Water Retention (%)	70 min	80	70 min	83
Retained No. 325 Sieve (%)	24 max	2.4	24 max	2.6
Autoclave expansion (%)	1.0 max	0.06	1.0 max	0.06
Compressive strength (MPa/psi):				
7 days	12.4 [1800] min	20.9 [3030]	9.0 [1300] min	18.8 [2730]
28 days (previous month)	20.0 [2900] min	25.5 [3700]	14.5 [2100] min	22.3 [3230]
Time of setting (minutes)				
(Gilmore) Initial	90 min	165	90 min	162
(Gilmore) Final	1000 max	295	1000 max	297

This cement meets ASTM C91-16 Specification for Masonry Type M and S Cements

September 19, 2022
Sumterville Cement Plant
Ash Grove
4750 E County Rd 470
Sumterville, Florida 33585
Tel: (352) 569-5393 - Fax: (352) 569-5397

Claudia Urrutia
Quality Control Manager