



**Midlothian Cement**  
**245 Ward Road, Midlothian, TX 76065**

Cement: Class C (MSR)

Date: January 09, 2024

Production Period: 12/27 - 12/30/23

Grind Number: 303M

Silo(s): 24 & 27

Chemical Requirements:	Spec. Limit	Test Result	Physical Requirements:	Spec. Limit	Test Result
MgO , (%)	6.0	0.9	Average Fineness (Blaine), (m <sup>2</sup> /kg)	400 min	409
SO <sub>3</sub> , (%)	3.5	3.3	Compressive Strength (psi):		
Loss on Ignition , (%)	3.5	2.8	8 Hour Curing 100F	300 min	970
Insoluble Residue, (%)	1.5	0.3	24 Hour Curing 100F	2000 min	2470
Tricalcium Aluminate (C3A), % <sup>A</sup>	8	7	Thickening Time (Schedule 4 -minutes)	90 min	98
Limestone, (%)		3.2	Maximum Consistency (15min to 30 min stirring period)	30 max	7
CaCO <sub>3</sub> in Limestone, (%)	75 min	92			

<sup>A</sup> Corrected for limestone as per ASTM C150, Annex A1

Signature: 

Title: Area Quality Control Manager

Date: 01/09/24

We certify that the above described cement, at the time of shipment meets the performance specification of API Spec 10A for Class C (MSR) cement.