



# Central Plains Cement Company

## EaglePave IS (20) Mill Test Report

Month of Issue: Feb-16

Plant: Sugar Creek Plant  
 Product: Type IS (20)  
 Manufactured: Jan-16

The current version of ASTM C 595 and AASHTO M 240 Standard Requirements

CHEMICAL ANALYSIS			PHYSICAL ANALYSIS		
Item	Spec limit	Test Result	Item	Spec limit	Test Result
Rapid Method, X-Ray (C 114)			Air content of mortar (%) (C 185)	12 max	9
SiO <sub>2</sub> (%)	---	24.2	Blaine Fineness (m <sup>2</sup> /kg) (C 204)	---	416
Al <sub>2</sub> O <sub>3</sub> (%)	---	5.5	Fineness, Residue retained on a 45 um sieve (%) sieve (%)	---	3.3
Fe <sub>2</sub> O <sub>3</sub> (%)	---	2.6	Autoclave expansion (%) (C 151)	0.80 max -0.20 min	0.00
CaO (%)	---	58.6	Compressive strength (PSI) (C 109)		
MgO (%)	---	3.1	1 days		1650
Sulphate as SO <sub>3</sub> (%)	3.0 max	2.9	3 days	1890 min	2960
Sulfide Sulfur (S)(%)	2.0 max	0.23	7 days	2900 min	4640
Loss on ignition (%)	3.0 max	1.9	28 days	3620 min	7280
Insoluble Residue (%) (C 114)	1.0% max	0.41	Time of setting (minutes) Vicat Initial (C 191)	45 - 420	125
Total Alkalis	---	0.5	Specific Gravity (C188)	---	3.09
			Mortar Bar Expansion (%) (C 1038)*	0.020 max	0.006

We certify that the above described cement meets the chemical and physical requirements of the current version of ASTM C 595 and AASHTO M 240.

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Certified By:

Paul Engel - Quality Coordinator

2/29/2016