

# Type I - ASTM C 150

Standard specification	Result	specifics
chemical composition		
	20.43%	SiO <sub>2</sub>
	4.82%	Al <sub>2</sub> O <sub>3</sub>
	3.89%	Fe <sub>2</sub> O <sub>3</sub>
	62.39%	CaO
Max 6.0	1.28%	MgO
Max 3.0	2.57%	SO <sub>3</sub>
	0.23%	K <sub>2</sub> O
	0.40%	Na <sub>2</sub> O
< 0.10	0.03%	CL
	1.82 ppm	Cr+6
Max 0.75	0.58%	Insoluble residue
Max 3.0	2.49%	Loss on ignition
	50.03%	C <sub>3</sub> S
	20.83%	C <sub>2</sub> S
	6.19%	C <sub>3</sub> A
	11.84%	C <sub>4</sub> AF
Physical properties		
2800	3250 cm <sup>2</sup> /g	Fineness (Blaine)
Compressive strength		
Min 12	22.2 Mpa	3 Days
Min 19	32.6 Mpa	7 Days
Min 45	175 Minutes	Initial Setting Time
Min 375	285 Minutes	Final Setting Time
	0.51%	Free Lime