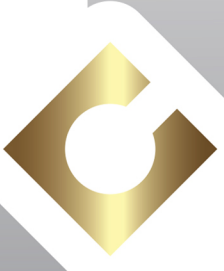


Portland Cement Type 1-525

Product				
Portland Cement Type 1-525				
Physical Properties	Factory test result	Standard	GOST 10178	Unit
Setting Time (Vicat, Initial)	180	Min 45	Min 45	Minute
Setting Time (Vicat, Final)	3.7	Max 6:00	Max 10:00	hr
Expansion (Autoclave)	0.12	Max 0.8	Max 0.8	%
Specific Surface Area (Blaine)	3150	Min 2800	Min 2800	cm ² /gr
Residue on 90m Sieve	1		80m.Max15	%
Compressive Strength (1 day)				kg/cm ²
Compressive Strength (2 days)	220	Min 200		kg/cm ²
Compressive Strength (3 days)				kg/cm ²
Compressive Strength (7 days)				kg/cm ²
Compressive Strength (28 days)	550	Min 525	Min500	kg/cm ²

Chemical Analysis	Factory test result	Standard	GOST 10178	Unit
SiO ₂	20.85			%
Al ₂ O ₃	5.15			%
Fe ₂ O ₃	3.40			%
CaO	63.7			%
MgO	1.7	Max 5.00	Max 5.00	%
SO ₃	2.55	Max 3.00	Max 3.50	%
Insoluble Residue	0.35	Max 0.75		%
Loss On Ignation	1.5	Max3.00		%
Free CaO	1.3			%
K ₂ O	0.55			%
Na ₂ O	0.35			%

Modulus	Factory test result	Standard	GOST 10178	Unit
Lime Saturation Factor (LSF)	92.87			%
Silica Modulus (SM)	2.44			
Alomina Modulus (AM)	1.51			



Mineralogical Composition	Factory test result	Standard- (ISIRI389)	GOST 10178	Unit
C3S	54.2			%
C2S	19.19			%
C3A	7.9			%
C4AF	10.34			%

