

Portland Composite Cement (PCC) Product Quality

Item	Unit	Specifications			Indocement Quality Range	
		SNI 7064:2014	EN 197-1:2011 42.5 N 42.5 R			
PHYSICAL PROPERTIES						
1.	Air Content of Mortar, Volume	%	≤ 12.0			4.0 - 8.0
2.	Fineness, Specific surface	m ² /kg	≥ 280			400 - 480
3.	Autoclave					
	- Expansion	%	≤ 0.80			0.05 - 0.35
	- Shrinkage	%	≤ 0.20			0.01 - 0.20
4.	Compressive Strength (SNI)					
	- 3 days	kg/cm ²	≥ 130			160 - 180
	- 7 days	kg/cm ²	≥ 200			220 - 245
	- 28 days	kg/cm ²	≥ 280			290 - 340
5.	Setting Time (vicat)					
	- Initial	minutes	≥ 45	≥ 60	≥ 60	130 - 165
	- Final	minutes	≤ 375			230 - 280
6.	False set	%	≥ 50			70 - 77
CHEMICAL PROPERTIES						
1.	SO ₃	%	≤ 4.0	≤ 3.5	≤ 4.0	1.5 - 2.0
2.	Chloride	%		≤ 0.1	≤ 0.1	0.001 - 0.01