

## Hydraulic Cement Product Quality

Item	Unit	Specification	ITP Quality Range	
		SNI 8912:2020		
<b>PHYSICAL PROPERTIES</b>				
1.	Air Content of Mortar, Volume	%	12 max	7.0 - 10.0
2.	Fineness, Specific surface	m <sup>2</sup> /kg		420 - 460
3.	Autoclave Expansion	%	≤ 0.80	0.05 - 0.40
4.	Compressive Strength (SNI)			
	- 1 days	Mpa	≥ 9	10 - 15
	- 3 days	Mpa	≥ 20	21 - 28
	- 7 days	MPa		31 - 36
	- 28 days	MPa		40 - 45
5.	Setting Time (vicat)			
	- Initial	minutes	≥ 45	120 - 140
	- Final	minutes	≤ 420	210 - 250
6.	Mortar expansion	%	≤ 0.020	0.005 - 0.020