

Technical Data



SuperSlurry™ is a cement-based slurry engineered for soil stabilization, increasing pH, decreasing soil plasticity and dramatically increasing the load capacity and strength of pavement.

Repeated testing and results from completed projects continue to show **SuperSlurry™** to be the superior choice for soils with moderate Plasticity Index (PI).

	PLASTICITY INDEX (PI)	pH	7-DAY COMP. STRENGTH	SWELL
Low PI Soils				
Untreated	6	7.55	–	0.15
4% Cement	0	12.19	190	0.00
Hi PI Soils				
Untreated	43	7.59	–	3.72
8% Cement	11	12.03	274	0.53

PLASTICITY INDEX (PI) – ASTM D-4318				
LOW PI SOIL RESULTS (CLAYEY SAND)				
	Terracon Results		Rone Results	
% SuperSlurry	1-Hour	2-Hour	1-Hour	2-Hour
0	6	6	5	5
4	0	0	4	0
6	0	0	0	0
HIGH PI SOIL RESULTS (CLAY)				
	Terracon Results		Rone Results	
% SuperSlurry	1-Hour	2-Hour	1-Hour	2-Hour
0	43	43	41	41
8	11	11	14	14
10	11	13	12	9

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PROCTOR RESULTS (1 HOUR PREPARATION) – ASTM D-558

LOW PI SOIL RESULTS (CLAYEY SAND)		
% SuperSlurry	Weight	Moisture
0	116.0	12.5
4	115.8	13.0
6	116.3	13.3
HIGH PI SOIL RESULTS (CLAY)		
% SuperSlurry	Weight	Moisture
0	90.7	27.3
8	92.6	24.8
10	92.5	26.0

All tests were conducted by **Terracon** and **Rone Engineering**, leading geotechnical engineering and laboratory testing firms.

COMPRESSIVE STRENGTH – ASTM D-1633

LOW PI SOIL RESULTS (CLAYEY SAND)			
% SuperSlurry	1-Day	3-Day	7-Day
0	–	–	–
4	131	179	190
6	181	243	292
HIGH PI SOIL RESULTS (CLAY)			
% SuperSlurry	1-Day	3-Day	7-Day
0	–	–	–
8	153	213	274
10	189	274	340

pH TEST – ASTM D-6276

LOW PI SOIL RESULTS (CLAYEY SAND)	
% SuperSlurry	% Swell
0	7.55
4	12.19
6	12.27
HIGH PI SOIL RESULTS (CLAY)	
% SuperSlurry	% Swell
0	7.59
8	12.03
10	12.07

* Each result is an average of 3 tests

Contact our sales team and learn more about how SuperSlurry™ can provide the superior solution for your next project.

