



CAPITOL FLEXI-PAVE



AASHTO #57 Stone Specs



AASHTO #57 stone as defined by quarries, state agencies, etc. is an open-graded, self-compacting aggregate blend of size 5, 6, & 7 stone. This material cannot be 'compacted' in a true sense, but can be properly oriented with compaction equipment. This is particularly important when using #57 stone under Flexi-Pave surfaces. #57 stone can vary in depth from two inches to ten feet or more. Before the stone is placed, a Geotextile fabric is often used as a soil separator between the stone and subgrade to reduce the potential for future stone loss into subgrade. The voids between the open-graded #57 aggregate allow air and water to pass through the voids, which facilitates ground water recharge and improves tree health

Compaction testing of #57 stone with a nuclear gauge or other device is not possible, even though many specifications state that it should be compacted to 95% of Proctor values. So rather than compaction tests, #57 stone should have its individual stone facets properly oriented using a plate compactor, jumping jack, or other vibratory compaction devices. Using compaction equipment, #57 stone will typically compact about one inch in vertical height, which is equivalent to about 8% settlement. This can be visually observed and verified.

AASHTO #57 coarse aggregate stone has 100% passing 1 1/2" screen, 95-100% passing 1" screen, 25-60% passing 1/2" screen, 0-10% passing #4 screen, and 0-5% passing #8 screen as per Figure 1 below.

AASHTO #	4"	3-1/2"	3"	2-1/2"	2"	1-1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#50	#100
1	100%	90-100%		25-60%		0-15%		0-5							
2			100%	90-100%	35-70%	0-15%		0-5							
24			100%	90-100%		25-60%		0-10	0-5						
3				100%	90-100%	35-70%	0-15		0-5						
357				100%	95-100%		35-70		10-30%		0-5%				
4					100%	90-100%	20-65%	0-15%		0-5%					
Area #4				100%	90-100%	60-90%	10-30%			0-1%					
467					100%	95-100%		35-70%		10-30%	0-5%				
5						100%	90-100%	20-55%	0-10%	0-5%					
56						100%	90-100%	40-85%	10-40%	0-15%	0-5%				
57						100%	95-100%		25-80%		0-10%	0-5%			
6						100%	90-100%	20-55%	0-15%	0-5%					
67						100%	90-101%		20-55%	0-10%	0-5%				
68						100%	90-102%		30-65%	5-25%	0-10%	0-5%			
7							100%	90-100%	40-70%	0-15%	0-5%				
78							100%	90-100%	40-75%	5-25%	0-10%	0-5%			
8								100%	85-100%	10-30%	0-10%	0-5%			
89								100%	90-100%	20-55%	5-30%	0-10%	0-5%		
9									100%	85-100%	10-40%	0-10%	0-5%		
10									100%	85-100%					10-30%

END OF SECTION