

TABLE C SIZE AND GRADING REQUIREMENTS FOR COARSE AGGREGATES												
SIEVE	2.5"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#100	#200
mm	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.15	0.075
#3	100	90 - 100	35 - 70	0 - 15		0 - 5						
#467		100	95 - 100		35 - 70		10 - 30	0 - 5				
#57			100	95 - 100		25 - 60		0 - 10	0 - 5			
#67				100	90 - 100		20 - 55	0 - 10	0 - 5			
#7					100	90 - 100	40 - 70	0 - 15	0 - 5			
#8						100	85 - 100	10 - 30	0 - 10	0 - 5		
#10							100	85 - 100			10 - 30	
2A		100			52 - 100		36 - 70	24 - 50	16 - 38	10 - 30		0 - 10
2RC		100						15 - 60			0 - 30	
OGS		100			52 - 100		36 - 65	8 - 40		0 - 12		0 - 5

SIEVE SIZES	
mm	
4"	100
3.5"	90
3"	75
2.5"	63
2"	50
1.5"	37.5
1"	25
7/8"	22.4
3/4"	19
5/8"	16
1/2"	12.5
7/16"	11.2
3/8"	9.5
5/16"	8
1/4"	6.3
#4	4.75
#5	4
#8	2.36
#10	2
#12	1.7
#16	1.18
#20	0.85
#30	0.6
#40	0.425
#50	0.3
#100	0.15
#200	0.075

TABLE B COARSE AGGREGATE QUALITY			
	TYPE A	TYPE B	TYPE C
SULF SOUNDNESS	10	12	20
LA ABRASION	45	45	55
FLAT / ELONGATE	15	20	--
CRUSHED FRAGMENTS	> 55	> 55	> 50
UNIT WEIGHT	> 70 lb/ft ³		
DELETERIOUS SHALE	2	2	10
CLAY LUMPS	0.25	0.25	3
FRIABLE PARTICLES	1.0	1.0	--
COAL OR COKE	1	1	5
GLASSY PARTICLES	4 or 10	4 or 10	--
IRON	3	3	3
ABSORPTION	3.0	3.5	--
TOTAL DEL MAT'L	2	2	15

SHRP/ SUPERPAVE AGGREGATE REQUIREMENTS						
TRAFFIC million ESALs	COARSE AGGREGATE			FINE AGGREGATE		
	CRSH FRGS ASTM D 5821		FLT & ELG PART ASTM D 4791	ANGULARITY ASTM D 1252		SAND EQ ASTM D 2419
Depth >	< 100 mm	> 100 mm		< 100 mm	> 100 mm	
< 0.3	55 / -	- / -	--	--	--	40
< 1	65 / -	- / -	--	40	--	40
< 3	75 / -	50 / -	10	40	40	40
< 10	85 / 80	60 / -	10	45	40	45
< 30	95 / 90	80 / 75	10	45	40	45
< 100	100 / 100	95 / 90	10	45	45	50
≥ 100	100 / 100	100 / 100	10	45	45	50
	≥ 1 face / > 2 faces		max %	minimum %		

TABLE A FINE AGGREGATE Quality and Grading Requirements												
QUALITY REQUIREMENTS				TOTAL PERCENT PASSING								
SAND TYPE	SOD SULF SNDNSS	FINE. MOD.	STRNGTH RATIO	3/8"	#4	#8	#16	#30	#50	#100	#200	
				9.5	4.75	2.36	1.18	0.6	0.3	0.15	0.075	
TYPE A	10	2.3 - 3.15	95	100	95 - 100	70 - 100	45 - 85	25 - 65	10 - 30	0 - 10	0 - 3	
TYPE B	B1	15	--	--	100	95 - 100	70 - 100	40 - 80	20 - 65	7 - 40	2 - 20	
	B2	15	--	--	100	100	95 - 100	85 - 100	65 - 90	30 - 60	5 - 25	
	B3	15	--	--	100	80 - 100	65 - 100	40 - 80	20 - 65	7 - 40	2 - 20	
TYPE C	10	1.6 - 2.5	95	100	100	95 - 100	--	--	--	0 - 25	0 - 10	



**AGGREGATES &
SOILS TESTING**

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Physical Testing of Crushed Stone and Soil
AASHTO Accredited • PTM / ASTM / AASHTO Methods

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