

**TABLE C SIZE AND GRADING REQUIREMENTS FOR COARSE AGGREGATES**

	2.5" 63	2" 50	1.5" 37.5	1" 25	3/4" 19	1/2" 12.5	3/8" 9.5	#4 4.75	#8 2.36	#16 1.18	#100 0.15	#200 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	>1100 kg/m <sup>3</sup> (70 lb/ft <sup>3</sup> )		
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		FLT & ELG PART ASTM D 4791	FINE AGGREGATE		SAND EQ ASTM D 2419
	ANGULARITY PTM 621			ANGULARITY ASTM C 1252		
	< 100 mm	> 100 mm		< 100 mm	> 100 mm	
Depth >						
<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 %		minimum %

1 lb = 453.6 g	1 in = 2.54 cm	1 ft <sup>3</sup> = .0283 m <sup>3</sup>	1 mi = 1.61 km
1 oz = 28.35 g	1 ft = .305 m	1 yd <sup>3</sup> = .764 m <sup>3</sup>	lb/ft <sup>3</sup> = 16.03 kg/m <sup>3</sup>

**TABLE A FINE AGGREGATE Quality and Grading Requirements**

QUALITY REQUIREMENTS				TOTAL PERCENT PASSING								
SAND TYPE	SOD SULF SOUND	FINENESS MODULUS	STR RATIO	3/8" 9.5	#4 4.75	#8 2.36	#16 1.18	#30 0.6	#50 0.3	#100 0.15	#200 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	0 - 10
	B2	15	--	--	--	100	95 - 100	85 - 100	65 - 90	30 - 60	5 - 25	0 - 5
	B3	15	--	--	100	80 - 100	65 - 100	40 - 80	20 - 65	7 - 40	2 - 20	0 - 10
TYPE C	10	1.6 - 2.5	95	--	100	95 - 100	--	--	--	0 - 25	0 - 10	



**AGGREGATES &  
SOILS TESTING**

**AASHTO ACCREDITED**  
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