
ATTI - PERFORMANCE CHECKLIST

Field Technician

AASHTO R 76-23 Reducing Samples of Aggregate to Testing Size Method A

Selection of Method

SEC: 5.

<u>Type of Aggregate</u>	<u>Method of Reducing</u>
Fine Agg > SSD (Wet)	A,B,C
Coarse Aggregate	A,B
Coarse & Fine Aggregate	A,B
Fine Agg < SSD (Dryer)	A

Method A – Mechanical Splitter

SEC: 5.1.1 Moist fine aggregate may be split with chute openings 1 ½” or wider, to reduce the sample to not less than 5000g. Then dried & reduced to test sample size using method “A”.

SEC: 7.1 For coarse aggregate and mixed aggregates, the minimum width of the chutes shall be about 50% larger than the largest particles in the sample.

SEC: 7.1 For dry fine aggregate, in which the entire sample will pass the 3/8’ sieve. The minimum width of the chutes shall be at least 50% larger than the largest particles and a max width of ¾”.

SEC: 8.1 Place the sample in the hopper or pan and uniformly distribute it from edge to edge. The rate the sample is introduced shall be such as to allow free flowing through the chutes.

SEC: 8.2 Reintroduce the sample from one of the receptacles into the splitter as many times as necessary to reduce the sample to the size specified. The portion collected in the other receptacle may be reserved for reduction in size for other tests.