Consensus Testing
403.5.7: Aggregate Properties

Aggregate properties from Sec. 403.2 on the combined aggregate during production shall be no less than 2 percent below the minimum for FAA, no less than 5 percent below the minimum for CAA, no less than 5 percent below the minimum for clay content and no more than 2 percent above the maximum for thin, elongated particles.

FAA (allowable by specification during production, 2% below)

Design	FAA	Minimum Allowable
E	40	38
C	45	43
B	45	43

CAA (allowable by specification during production, 5% below)

Design	CAA	Minimum Allowable
E	75/None	70/None
C	95/90	90/85
B	100/100	95/95

Clay Content (allowable by specification during production, 5% below)

Design	Sand Equivalent	Minimum Allowable
E	40	35
C	45	40
B	50	45

Thin, Elongated Particles (allowable by specification during production, 2% above)
For all mixtures except SP125xSM, the blended aggregate particles retained on the No. 4 sieve shall not exceed 10 percent, based on a ratio of 5:1. SP125xSM shall not exceed 20 percent based on a 3:1 ratio or 5 percent based on a 5:1 ratio.

Regular SP mixes, 5:1 ratio **SP125xSM mixes, 5:1 ratio**

Spec.	Maximum Allowable	Spec.	Maximum Allowable
10%	12%	5%	7%

SP125xSM mixes, 3:1 ratio

Spec.	Maximum Allowable
20%	22%

Contractor Frequency: 1/10,000 tons with a minimum of 1/project/mix type.
Engineer Frequency: 1/project plus at least 1 comparison with QC. For projects under Small Quantities (3000 tons or less) it will not be necessary for a QA/QC comparison sample.

Comparisons between QA/QC shall be within:
CAA 5%
FAA 2%
Clay Content 5%
Thin, Elongated Particles 1%

Furnish the contractor test results on comparison testing within 24 hours.
A split of all QC samples must be retained for a minimum of 7 days. This includes gradation, consensus and volumetric samples. Split refers to the portion of the sample that is not tested after the sample has been reduced to testing size. Standard Specification Section 403.17.2.3 sets guidelines on how the split samples should be stored and identified.