

**Table of Sizes and Gradation of Coarse Aggregate
for Hydraulic Cement Concrete**

Square Mesh Sieves	Percent Passing by Weight						
	Size No. 467 ¹	Size No. 57	Size No. 67 ²	Size No. 7	Size No. 78	Size No. 8	Size No. 89
2 inch	100						
1½ inch	95-100	100					
1 inch		80-100	97-100				
¾ inch	35-70		80-100	100	100	100	
½ inch		25-60		90-100	90-100	95 100	100
⅜ inch	10-30		20-55	40-70	40-75	75-100	85 100
No. 4	0-5	0-10	0-10	0-15	5-25	5-30	20-40
No. 8		0-5	0-5	0-5	0-10	0-10	0-10
No. 16					0-5	0-5	0-5

NOTE: ¹ - Size No. 467 is allowed only in concrete pavements Section 501 – Hydraulic Cement Concrete Pavements;

² - This tolerance is not applicable for Class F and Class FX Concrete.

The gradation from any one source shall be reasonably uniform and not subject to the extreme limits of gradation shown in the table.

For the purpose of determining the degree of uniformity, a fineness modulus determination will be made upon representative samples from the sources proposed for use by the Contractor.

703.03.2.5--Lightweight Particles in Coarse Aggregate. Lightweight particles in coarse aggregate typically have an oven dry specific gravity less than 2.00. The lightweight particle and coarse aggregate blend testing requirements are specified in Subsection 804.02.12.5. The lightweight particle and coarse aggregate blend is subjective to increased testing and monitoring with an oven dry specific gravity of less than 2.45. In addition to oven dry specific gravity, visual inspection can identify the presence of excessive lightweight particles. The Engineer may require additional testing based on visual inspection of the aggregate source and/or producer stockpiles.

703.04--Aggregate for Crushed Stone Courses.

703.04.1--Coarse Aggregate. Coarse aggregate, defined as material retained on No. 8 sieve, shall be either crushed limestone, steel slag, granite, concrete, or combination thereof. Crushed concrete is defined as recycled concrete pavement, structural concrete, or other concrete sources that can be crushed to meet the gradation requirements for Size No. 825B as modified below. In no case shall waste from concrete production (wash-out) be used as a crushed stone base.

Individual sources of coarse aggregate shall conform to the following quality requirements:

Percentage of wear shall not exceed 45 when tested in accordance with AASHTO T 96.