

**LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
SPECIFICATIONS**

**AGGREGATE FOR ASPHALT SURFACE TREATMENT**

**DESCRIPTION:** This aggregate is for use in asphalt surface treatment applications, sometimes referred to as chip seals.

**GENERAL REQUIREMENTS:** Aggregate shall be crushed gravel, crushed stone, or lightweight aggregate from the Approved Materials List and comply with Subsection 1003.01 of the 2016 Louisiana Standard Specifications for Roads and Bridges.

**SPECIFIC REQUIREMENTS:** Crushed gravel Size 1 and Size 2 shall have 60 percent minimum crushed retained on the No. 4 (4.75 mm) sieve. Crushed gravel Size 3 shall have 75 percent crushed retained on the No. 4 (4.75 mm) sieve. Determine the percent crushed in accordance with DOTD TR 306.

Comply with the following gradation:

**Asphaltic Surface Treatment Aggregates Percent Passing**

		Size 1		Size 2	Size 3
U. S. Sieve	Metric Sieve	Slag or Stone Aggregate (Size No. 5)	Crushed Gravel <sup>2</sup> or Lightweight Aggregate	All Aggregate (Size No. 7)	All Aggregate (Size No. 8)
1 1/2 inch	37.5 mm	100	100	---	---
1 inch	25.0 mm	90-100	95-100	---	---
3/4 inch	19.0 mm	20-55	60-90	100	---
1/2 inch	12.5 mm	0-10	---	90-100	100
3/8 inch	9.5 mm	0-5	0-15	40- 80	85-100
No. 4	4.75 mm	---	0-5	0-15	10-40
No. 8	2.36 mm	---	---	0-5	0-10
No. 16	1.18 µm	---	---	---	0-5
No. 200	75 µm <sup>1</sup>	0-1	0-1	0-1	0-1

<sup>1</sup> The percentage passing the No. 200 (75 µm) sieve shall be 0 - 2 percent for crushed aggregates when the materials finer than the No. 200 (75 µm) sieve consist of dust fraction from crushing and handling, essentially free of clay.

<sup>2</sup> Uncrushed gravel may be used for Size 1 aggregate if more than one application of Asphaltic Surface Treatment is required.

**SAMPLING:** Sampling will be in accordance with the Materials Sampling Manual.