

**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 ² 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 ¹	0-1	0-1	0-1	0-1

¹ 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.

² 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.