
Test Procedure for**BULK SPECIFIC GRAVITY AND WATER ABSORPTION OF AGGREGATE**TxDOT Designation: **Tex-201-F**Effective Date: **April 2025**

1. SCOPE

- 1.1 Use this method to determine the bulk specific gravity and water absorption of aggregate retained on the No. 200 (75 μm) sieve. The bulk specific gravity may be used in calculating the maximum theoretical specific gravity (G_t) or the voids in the mineral aggregate (VMA) of a bituminous mixture. Water absorption may be used to determine the amount of free moisture within the aggregate.
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2. STANDARD TEST METHOD

- 2.1 Refer to [Tex-403-A](#) for the definitions, apparatuses, calibrations, and calculations.
- 2.1.1 Sample aggregates in accordance with [Tex-221-F](#). Prepare aggregates for testing in accordance with [Tex-403-A](#), Section 5.
- 2.1.2 For fine aggregate passing the No.4 sieve, refer to [Tex-403-A](#), Sections 6.2 and 6.3
- 2.1.3 For coarse aggregate, refer to [Tex-403-A](#), Section 6.4
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3. REPORT FORMS

- 3.1 [Bulk Specific Gravity and Water Absorption of Aggregate](#)
- 3.2 Report specific gravity results to the nearest 0.01 and absorption to the nearest 0.1%.
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4. ARCHIVED VERSIONS

- 4.1 Archived versions are available.