

409 ASPHALTIC CONCRETE (MISCELLANEOUS STRUCTURAL)

Miscellaneous structural AC is used in areas where a lower strength asphaltic concrete is acceptable to the Department, or a smaller amount of asphaltic concrete is required. Applications include guardrail pads, temporary paving (example: detours), erosion control measures, and areas where constructability issues limit compaction (spot milling, leveling, narrow roadway widening, turnouts, etc.). Materials, testing procedures, and construction requirements are basically the same for the various types of asphaltic concrete pavement. For the sake of brevity, most inspection procedures can be found in the "Asphalt Concrete" section of this manual. This subsection of the manual contains additional inspection procedures and contract administration requirements for Specification 409. The main differences are as follows.

1. Acceptance is based on "reasonable conformance" instead of sampling and testing.
2. The asphalt cement and mineral admixture are not paid separately, but are included in the basis of payment for Asphaltic Concrete - Miscellaneous Structural.

409-2 Materials

Two Gradations are given in the Standard specs., one for lifts of 2" or less and the other for lifts greater than 2". The mix design should be checked against this table.

Bituminous material shall be a PG grade shown in the Special Provisions.

409-3 Construction Requirements

The temperature of the mix discharged at the plant cannot exceed 325°F. The surface temperature must be 65°F or higher in order to pave.

The paver is required to have automatic screed controls and paving must be stopped if the system does not function properly.

This specification does not require the contractor to submit the daily pyrometer record.

409-3.02 Compaction

The Inspector shall ensure that the surfaces on which the asphaltic concrete is to be placed on are acceptable and in accordance with the Contract Plans or Special Provisions. The Resident Engineer shall select the compaction option and verify that the Contractor complies with the specified procedures. In order to compact the asphaltic concrete properly, the Contractor should have the right type of equipment and it must be of the size required to properly perform the work specified. There is no density specification, only a method specification; so careful monitoring of the compaction operation is an important task of the Inspectors.