

SECTION 409 - WARM MIX ASPHALT

##This section cross-references Section 407.

Where Section 409 is included in the specification, Section 407 must also be included:

409.01 GENERAL

These clauses cover special requirements for Warm Mix Asphalt (WMA) that are in addition to, or override, the requirements for Section 407 – Hot Mix Asphalt.

409.02 DEFINITION

Warm Mix Asphalt (WMA)

Warm Mix Asphalt (WMA) is asphalt which contains an additive, or uses a manufacturing process, that allows the asphalt mix to be produced and placed at lower temperatures than Hot Mix Asphalt (HMA).

409.03 BINDERS

The class of binder for each asphalt type shall comply with the requirements of Clause 407.05.

409.04 MIX DESIGN

All mixes shall comply with the requirements of Clause 407.06.

HMA mix designs registered as 'General' can be used as the basis of WMA mix designs. The mix identification number for WMA shall include the suffix 'W'.

409.05 ADDITIONAL PERFORMANCE TESTING FOR WMA

- (a) Representative samples of production asphalt shall be taken and tested at a frequency not less than that specified in Table 409.051.
- (b) Test specimens for the tests shall be compacted to an air voids content as specified in VicRoads Code of Practice RC500.01.

Table 409.051 Frequency of Testing for WMA

Test Required	Minimum Frequency
Moisture Sensitivity (Minimum Wet Strength and Tensile Strength Ratio)	One per 10,000 tonnes or part thereof.
Indirect Tensile Modulus*	One per 2,000 tonnes or part thereof.

* Modulus testing is only required for the approved WMA mixes produced by using the sequential aggregate coating method with two different binder grades.