****THIS IS A NEW IM. – PLEASE READ CAREFULLY.****

MOISTURE SENSITIVITY TESTING OF ASPHALT MIXTURES– NEW

SCOPE

This test method is intended to determine the moisture susceptibility of asphalt paving mixtures by measuring the tensile strength ratio (TSR). The apparatus and procedures are identical with those specified in AASHTO T283-07 with the following variations.

1. 150mm diameter gyratory compacted specimens will be used unless it is determined that the saturation of the conditioned specimens does not penetrate completely to the center of the specimen or if the sample size is insufficient to provide enough material to fabricate 150mm diameter specimens, in which cases 100mm diameter gyratory compacted specimens may be used.

2. When evaluating anti-strip agents for laboratory produced asphalt mixture designs, the wet strength of the conditioned specimens containing the anti-strip agent will be compared to the unconditioned dry strength of specimens without any anti-strip agent to determine the tensile strength ratio (TSR).

NOTE

Additional information on methods of determining the moisture susceptibility of asphalt paving mixtures may be found in IM 510 Appendix C.