



Background

In the construction of roads, asphalt is paved in individual layers. To ensure that these layers behave as a single, cohesive unit, a bituminous tack coat is applied between layers. It is critical that this tack coat is adhesive when the hot mix asphalt is applied and non-adhesive otherwise. As of present, there is no standard method for testing the tackiness of bituminous tack coats. As such, it was determined that a standard method should be developed. The proposed method employs the use of a dynamic shear rheometer (DSR), a common fixture in asphalt binder laboratories. In this way, the method may be easily adopted by other asphalt laboratories.





. A sample of thickness 1.00 ± 0.25 and allowed to reach









- greater than the working parameters of the DSR, then either the sample will not break or the pull-off rate will be non-constant.

the development of this project.

