

ALDOT-429-08

EVALUATION OF ASPHALT MIXTURE RELEASE COATINGS FOR TRUCK BEDS

1. Scope

This procedure establishes the requirements for an asphalt release agent to be approved for use to minimize the susceptibility of asphalt paving mixtures to adhere to truck beds and all other paving equipment.

2. Referenced Documents.

- 2.1.1. AASHTO T 383, Standard Test Method for Evaluation of Asphalt Release Agents (ARAs)
- 2.1.2. Title 29 of the Code of Federal Regulations, Hazard Communication (Subpart 1910.1200)
- 2.1.3. Title 40 of the Code of Federal Regulations, Part 261, Subpart D, Lists of Hazardous Waste

3. Requirements

- 3.1 Asphalt release agents must be submitted to NTPEP's Evaluation program, evaluated per AASHTO T 383, and must adhere to the following safety and environmental requirements:
 - Shall be non-carcinogenic and environmentally safe, and shall contain no asphalt solvents or petroleum hydrocarbons, such as gasoline, kerosene, or diesel fuel. The asphalt release agent shall not breakdown asphaltic concrete and shall not leave any hazardous waste residue.
 - Shall be labeled in accordance with Title 29 Code of Federal Regulations Hazard Communication.
 - Shall contain no component listed in the Resource Conservation and Recovery Act (RCRA) Hazardous Waste Code of Federal Regulations (CFR), Title 40, Part 261, Subpart D, Lists of Hazardous Waste and shall contain no polychlorinated biphenyl's (PCB's).
 - Shall contain no volatile ingredients or flammable materials.
 - Shall have a rating no higher than zero for all National Fire Protection Association Hazard Codes. If using the Hazardous Material Identification System (HMIS) rating, which was developed by the National Paint and Coatings Association, a rating of no higher than one is acceptable for health and zero for flammability and reactivity codes.
- 3.2 Release agents shall meet the following performance requirements from the NTPEP evaluation to be recommended for approval to the ALDOT Product Evaluation Board:
 - Shall be visually evaluated to have **No Stripping** for the non-diluted sample during the 7-Day Asphalt Stripping Test.
 - Shall have less than 10% binder adhere after the third pull of the Asphalt Performance Test.