

By: 

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

ASPHALTIC MIXTURES FOR COLD APPLICATION

DESCRIPTION:

This specification covers asphaltic mixtures for cold application to be used in road maintenance activities.

Type HP (High Performance Cold Mix) - Mixtures shall consist of a combination of aggregates, asphaltic materials, and anti-strip additives. The mix design must be an approved mix listed on the Approved Material List (AML) for High Performance Cold Mix for Patch Matl.

PERFORMANCE REQUIREMENTS:

The material shall:

- Adhere to both concrete and asphaltic surfaces which are damp or wet.
- Be unaffected by salt or deicing compounds.
- Be non-caustic, nontoxic, and nonflammable.
- Be uniform and not require stirring or agitation between use.
- Be workable with hand-held tools and shovels at a minimum temperature of -12°C (10°F) without being heated.
- Maintain workability with hand-held tools and shovels throughout 10-hour work day when material is placed in dump truck for transport to various work locations.
- Maintain the above requirements for at least 6 months in uncovered stockpiles that are exposed to the elements.

MATERIAL ACCEPTANCE:

Prior to acceptance by the Department, each shipment shall be visually inspected by DOTD. Product must be a uniformed mix and must exhibit workability upon delivery. Materials may be sampled and tested before final acceptance.

TESTING:

Sampling and testing of materials will be performed by the DOTD Materials and Testing Laboratory.

Should the quality or performance of the mixture come into question, either at the point of delivery prior to acceptance or at any point after acceptance, DOTD reserves the right to test the supplied material. Testing will be at the Department's sole discretion, but may be prompted for any of the following concerns:

- Less than 95% visibly coated aggregate/stripping that exceeds 5%
- Excessive aggregate size
- Overall quality
- Questionable workability
- Questionable performance

Such tests may include, but are not limited to, a Water Susceptibility of Asphaltic Concrete Materials Test [DOTD TR 317, Step 5(e) thru 5(h)], asphalt content, and extracted aggregate gradation. Any test result exceeding +/-5% deviation from the approved mix designed listed on the Approved Materials List for High Performance Cold Mix for Patch Matl. will be cause for rejection of the material, which shall be replaced in accordance with the NON-CONFORMANCE REMEDY section of this specification.

NON-CONFORMANCE REMEDY:

Any material that fails to conform to any part of this specification shall result in rejection of material supplied, whether said failure is noted upon delivery, during testing, at the storage location/stockpile, or in the field at an installation site. In the event the material is rejected, all remaining insufficient material shall be removed from the DOTD storage location/stockpile and replaced with acceptable material at the vendor's expense.