

Hot Bituminous Mixture Type for Tight Blade Special Provision

Bituminous mixture Type (use Marshall, Gradation # 4 or #5 or Gyratory, Gradation A) Bituminous Mix for Tight Blade _____ shall be placed. The material is intended to fill all joints, cracks and wheel rutting prior to the placement of the paver laid non-wear and/or wearing course mixture. The tight blade mixture shall be placed with a motor grader or similar equipment able to perform a similar task. The blade shall be operated at an angle so that the bituminous mixture is forced into the cracks and cavity areas. Tight blading operation shall be by the “Ordinary Compaction Method” with a minimum of one (1) pneumatic tired roller and one (1) self propelled pavement broom for each motor grader spreading the mixture. As directed by the Engineer, brooming may be required after the tight blade mixture is rolled, no direct compensation will be made for brooming. The brooming shall continue until all loose material is broomed off the pneumatic rolled pavement surface and prior to placing any traffic onto the tight bladed pavement. [Application of a tack coat may be required by the Engineer prior to the placement of the tight blade mixture -see Notes 1, 2, 3 & 4 to the Engineer to determine completion]. Any such tack required will be paid for under the bid Item Bituminous Material for Tack Coat.

Notes to Engineer:

1. No tack coat is recommended, if the intent is to fill joints, cracks and wheel depressions whereby the blade is basically run on the surface of the in-place pavement.
2. Tack coat is recommended if the tight blade operation is to provide some in-place compacted thickness such as for depressions/sags, crown/cross slope correction, etc., whereby the tight blade operation is similar to principles of paver lay.
3. Bituminous material shall be PG 58-28. Asphalt content by weight of mix shall be a minimum of 5.0 percent or as determined in accordance with an approved job mix formula (Marshall or Gyratory mix design).
4. Payment should be by the ton (normally blading, compaction and brooming incidental).

The above notes (1, 2, 3 & 4) should be considered by the Engineer for final completion of the above special provision.