
Standard Specification for Reclaimed Asphalt Shingles for Use in Asphalt Mixtures

AASHTO Designation: MP 23-15 (2020)¹

**Technical Subcommittee: 2d, Proportioning
of Asphalt–Aggregate Mixtures**

Release: Group 3 (July)



**American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. This specification covers reclaimed asphalt shingle material used in asphalt mixtures. The use of reclaimed asphalt shingles in other recycling applications such as hot-in-place pavements and cold recycled pavements is not included in this specification.

Note 1—Refer to PP 78, Design Considerations When Using Reclaimed Asphalt Shingles (RAS) in Asphalt Mixtures, for information on design considerations, determining shingle aggregate gradation, and the grade of the binder.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standards:*

- PP 78, Design Considerations When Using Reclaimed Asphalt Shingles (RAS) in Asphalt Mixtures
- R 90, Sampling Aggregate Products
- T 27, Sieve Analysis of Fine and Coarse Aggregates

3. TERMINOLOGY

- 3.1. *Definitions:*

- 3.1.1. *aggregate*—coarse and fine aggregate introduced into asphalt mixtures that is exclusive of the shingle aggregate.

- 3.1.2. *coarse and fine aggregate*—see T 27 for definitions.

- 3.1.3. *manufactured shingle waste*—rejected asphalt shingles or shingle tabs that are discarded in the manufacturing process of new asphalt shingles.

- 3.1.4. *postconsumer asphalt shingles*—asphalt shingles that are removed from the roofs of residential dwellings or commercial buildings. Postconsumer asphalt shingles are often called “tear-off” shingles.

- 3.1.5. *reclaimed asphalt shingles (RAS)*—manufactured shingle waste or postconsumer asphalt shingles that have been processed into a product that meets the requirements of this standard.