

DRAFT

2382

Roofing Shingles for Use in Hot Mixed Asphalt

Scrap Shingle Specifications on file as provided by the Mn/DOT Bituminous Office

2382.1 DESCRIPTION

Waste asphalt shingles from a shingle manufacturing facility, may be used in hot mixed bituminous mixtures produced under specification 2350. The maximum allowable percent (by weight) shingles shall be that specified in the 2350 specification.

2382.2 MATERIALS

All scrap shingle materials shall consist of organic felt, and/or fiberglass shingles, obtained from a shingle manufacturing facility. No tear off or re-roof material will be allowed. Scrap shingles shall not contain any objectionable materials, i.e. road tar, metal, glass, wood, plastic, brick, rubber, fabric, or any other material having similar characteristics.

All scrap shingle materials shall be sized so that 100 percent (by weight) of the material passes through a $\frac{3}{4}$ inch square sieve, and at least 95 percent shall pass through a #4 sieve. The final mixture shall have no particle exceeding the maximum aggregate size allowed under the 2350 specification.

Before a Mixture Design Report for a particular mixture is authorized, the following will be submitted, along with materials and paperwork required by 2350.3B:

- I. Certification by both the manufacturer and the processor of the shingle scrap, as to the shingle scrap content and source. Certification forms are available from the Bituminous Office.
- II. A 5 pound sample of the shingle scrap material for review, unless scrap material is from a previously approved source. (A list of pre-approved sources and processors of shingle scrap are available from the Bituminous Office).

2382.3 CONSTRUCTION REQUIREMENTS

Scrape shingles shall be stockpiled separate. from other salvage material. Blending of scrap shingle material in a stockpile with other salvage material is prohibited.

Scrap shingles shall be introduced into the hot mix asphalt, at the asphalt mixing plant, at the same point where recycled asphalt pavement is introduced.

Scrap Shingle Certification Sheet
Manufacturer

S.P. No: _____ **Project:** _____

Manufacturer of Shingle Scrap:

Name: _____

Address: _____

Contact: _____

Phone: _____

We the undersigned, certify that a portion of the shingle scrap to be used on this project, was supplied directly from one of our manufacturing plants to the processor listed below and is shingle manufacturing waste material. We certify that this; material is not tear-off or re-roof material which has been previously used. We also certify that the material supplied to the processor consisted of only organic and/or fiberglass shingles and contains no asbestos or other hazardous material.

Name of Processor Shingle Scrap Was Supplied To

Address

Manufacturer of Shingle Material

Date

Date

Scrap Shingle Certification Sheet
Processor

S.P. No: _____ Project: _____

Manufacturer of Shingle Scrap:

Name: _____

Address: _____

Contact: _____

Phone: _____

We the undersigned, certify that all of the shingle scrap to be used on this project came from a shingle manufacturing facility or facilities and is not tear-off or re-roof material. We certify that this shingle scrap material contains only shingles, not other material was added or introduced into this shingle scrap.

Processor of Shingle Material

Date

Note: Processor must submit certification from all manufacturing facilities which provided or will provide shingle scrap material to be used on this project.