

SS-A-00701a
January 26, 1967
Int. Rev. of
Fed. Spec. SS-A-701
August 1, 1933

INTERIM FEDERAL SPECIFICATION

ASPHALT, PETROLEUM (PRIMER, ROOFING, AND WATERPROOFING)

This Interim Federal Specification was developed by the General Services Administration, Federal Supply Service, Washington, D. C. 20406, based upon currently available technical information. It is recommended that Federal agencies use it in procurement and forward recommendations for changes to the preparing activity at the address shown above.

The General Services Administration has authorized Federal agencies to use this Interim Federal Specification as a valid exception to Federal Specification SS-A-701, dated August 1, 1933.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers a cut-back asphalt used as masonry primer.

1.2 Classification. Asphalt shall be of one type only.

2. APPLICABLE DOCUMENTS

2.1 The following specifications and standards of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

Federal Specification:

SS-R-406 - Road and Paving Materials: Methods of Sampling and Testing.

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.

(Single copies of this specification and other product specifications required by activities outside the Federal Government for bidding purposes are available without charge from the General Services Administration Regional Offices in Boston, New York, Washington, D.C., Atlanta, Chicago, Kansas City, Mo., Dallas, Denver, San Francisco, Los Angeles, and Seattle, Wash.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

FSC 5610

2.2 Other publications: The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids shall apply.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) Publications:

- D4 - Method of Test for Bitumen
- D5 - Method of Test for Penetration of Bituminous Materials
- D88 - Method of Test for Saybolt Viscosity
- D402 - Method of Test for Distillation of Cut-Back Asphaltic Products

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa. 19103.)

3. REQUIREMENTS

3.1 Material. The asphalt primer shall consist of an asphaltic base thinned to a suitable brushing consistency with a volatile solvent.

3.2 Viscosity. The Saybolt Furol viscosity of the material shall be from 25 to 75 seconds at 25°C (77°F.) when tested in accordance with 4.4.1.

3.3 Distillation. When tested in accordance with 4.4.2, the percent by volume of distillation of the primer shall be not less than 35 at 225°C (437°F.) and not more than 65 at 360°C (680°F.).

3.4 Residue. Residue obtained from distillation at 360°C (680°F.) shall be retained for examination of its properties.

3.4.1 Penetration. Penetration of the residue at 25°C (77°F.), 100g in 5 seconds shall be 20 to 50 when tested in accordance with 4.4.3.

3.4.2 Solubility. Residue shall be not less than 99 percent soluble in carbon disulfide when tested in accordance with 4.4.4.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Sampling

4.2.1 Lot. Unless otherwise specified (see 6.2), a lot shall consist of all primer offered for delivery at one time.

4.2.2 Sampling for inspection. Random samples of filled packages shall be selected in accordance with MIL-STD-105, using inspection level I.

4.2.3 Sampling for tests. Sampling for tests shall be in accordance with SS-R-406, method 101.11 except that two 1 quart composite samples shall be made. One sample shall be transmitted to the testing laboratory and the second shall be retained for check analysis in case of dispute.

4.3 Examination

4.3.1 End item. Each random sample selected in accordance with 4.2.2 shall be inspected for the following major defects: broken or leaking package, under fill, improper and illegible labeling. The Acceptable Quality Level shall be 2.5 percent defective.

4.3.2 Inspection of preparation for delivery. An inspection shall be made to determine that the packaging and marking comply with the requirements in section 5 of this specification. Defects shall be scored in accordance with table I. The sample unit shall be one shipping container fully prepared for delivery. Sampling shall be in accordance with MIL-STD-105. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 4.0 defects per hundred units.

Table I. Classification of preparation for delivery defects

Examine	Defects
Markings (exterior and interior)	Omitted; incorrect; illegible; improper size, location, sequence, or method of application.
Materials	Any component missing, or damaged
Workmanship	Inadequate application of components such as incomplete closure of container. Distortion of container.

4.4 Test Methods. The composite sample shall be subjected to the tests specified herein. If the sample fails to pass any test, the lot represented by the sample shall be rejected. A rejected lot may be resubmitted for acceptance provided the contractor, having been informed as to the cause for rejection, has removed or replaced all nonconforming packages.

4.4.1 Furol viscosity. Viscosity of the material shall be tested in accordance with ASTM D68 (see 3.2).

4.4.2 Distillation. Test for distillation of the material shall be conducted in accordance with ASTM D402 (see 3.3).

4.4.3 Penetration of residue. Residue shall be tested for penetrating properties in accordance with ASTM D5 (see 3.4.1).

4.4.4 Solubility of residue. Residue shall be tested for solubility in accordance with ASTM D4 (see 3.4.2).

5. PREPARATION FOR DELIVERY

5.1 Packing. Packing shall be level A, B, or C, as specified (see 6.2).

5.1.1 Level A. Unless otherwise specified (see 6.2), the asphalt furnished in 5 gallon quantities shall be packed in a pail conforming to PPP-P-704, type II, class 1, 2, or 3.

5.1.2 Level B. The asphalt furnished in 5 gallon quantities shall be packed in a metal pail with lug cover and a wire bail securely attached to each pail. The wire bail shall be fabricated from No. 9 W & M wire gage with a nominal thickness of 0.148, zinc coated or protected with a corrosion resistant material. Each cover shall have a flanged-in or other suitable gasket uniformly distributed around the circumference of the inner edges of the cover. All exterior surfaces of the pail shall be coated with a commercial coating.

5.1.3 Level C. The asphalt shall be packed to insure carrier acceptance and safe delivery at destination in containers complying with the rules and regulations applicable to the mode of transportation.

5.2 Standard packaging (civil agencies). The standard packing for civil agencies shall be as specified in 5.1.2.

5.3 Marking

5.3.1 Civil agencies. In addition to markings required by the contract or order, the shipping containers shall be marked in accordance with Fed. Std. No. 123.

5.3.2 Military activities. In addition to markings required by the contract or order, the shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use. Primer is intended for usage as a priming coat for concrete and other masonry surfaces over which asphalt built up roofing, waterproofing, or dampproofing are to be applied.