

MIL-M-52892

23 February 1976

MILITARY SPECIFICATION

MEMBRANE SET, HEAVY DUTY, AIRFIELD SURFACING, PACKAGING OF

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 This specification covers the requirements for materials, methods, and procedures for the preservation, packing, and marking of the heavy-duty airfield surfacing membrane set.

2. APPLICABLE DOCUMENTS

2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for proposal form a part of this specification to the extent specified herein:

SPECIFICATIONS

Federal

NN-P-71

- Pallets, Material Handling, Wood, Stringer Construction, 2-Way and 4-Way (Partial).

QQ-S-781

- Strapping, Steel, and Seals.

PPP-B-601

- Boxes, Wood, Cleated-Plywood.

Military

MIL-A-52679

- Anchor, Surfacing Membrane: 12 Inch.

MIL-M-52769

- Membrane, Surfacing: Airfield, Heavy Duty.

STANDARDS

Military

MIL-STD-105

- Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129

- Marking for Shipment and Storage.

MIL-STD-147

- Palletized Unit Loads on 40" x 48" Pallets.

FSC 5680

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(Copies of 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.)

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 or request for proposal shall apply.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Associations, Inc., ATTN: Tariff Order Section, 1616 P Street, NW, Washington, DC 20036.)

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, ATTN: Tariff Publishing Officer, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. REQUIREMENTS

3.1 Preproduction pack. The contractor shall furnish a preproduction pack for examination within the time frame specified (see 6.2), to prove prior to starting production packaging that the applied preservation, packing, and marking comply with the requirements of this specification. Examination shall be as specified in Section 4 and shall be subject to surveillance and approval by the Government (see 6.3).

3.2 Material. Material shall be as specified herein and in the applicable specifications. Materials not specified shall be selected by the contractor and shall be subject to all provisions of this specification.

3.3 Preservation.

3.3.1 Membranes. Type I, runway membrane, Type II, taxiway membrane and Type III, splicing membrane shall be preserved in accordance with MIL-M-52769.

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3.3.2 Adhesives, sealants, and nonskid compounds. Membrane adhesive, cartridge and can-contained sealants, and nonskid compounds shall not require additional preservation.

3.3.3 Tool outfit components. Except for the varnish brushes, none of the tool outfit components, including paint roller covers, caulking guns, wood handles, putty knives, or paint rollers shall require additional preservation (see 6.5). The varnish brushes, in quantities of six, shall be wrapped in kraft wrapping paper, weight and grade optional, and secured with twine or pressure-sensitive tape.

3.4 Packing (see 6.4).

3.4.1 Membranes. All three types of membranes shall be packed in accordance with MIL-M-52769.

3.4.2 Anchors. The anchors, membrane surfacing, 12 inch shall be packed in accordance with MIL-A-52679, 26 anchors per box.

3.4.3 Adhesive and nonskid compound. The membrane adhesive, unit packed in 5-gallon pails, and the nonskid compound, unit packed in 5-1/4-gallon pails, shall be palletized in accordance with Load Type III of MIL-STD-147, except that only two tiers of 12 pails each will be loaded on each pallet. Pallets shall conform to Type IV of NN-P-71.

3.4.4 Sealant, scotch-seal industrial (EC801/1622). The sealant with accelerator, unit packed in 1-gallon cans with the accelerator in a Class A can is commercially packed 4 units per corrugated container. The 4-gallon containers shall be overpacked in quantities not to exceed the weight limitations of the container in cleated plywood boxes conforming to PPP-B-601, Overseas Type, Style I, using the minimum quantity of boxes for overpacking.

3.4.5 Sealant, weatherban 101. The weatherban 101 sealant, unit packed in 1/10-gallon cartridges, is commercially packed 12 cartridges per corrugated box. The 12-pack boxes shall be overpacked as specified in 3.4.4. When the set requirements for the desired quantities of the EC801 sealant and the weatherban 101 adhesive are such that they can be overpacked together in a single shipping container, they shall be so packed.

3.4.6 Tool outfit. The components of the tool outfit shall be packed in a cleated plywood box conforming to PPP-B-601, Overseas Type, Style I (see Figure 1). When the components are consolidated packed as shown in Figure 1, the minimum inside box dimensions for the complete outfit will be as shown. For purposes of economy, the two lengthwise box panels may be of two pieces, one being the full 48-inch width and the remaining one a 3-inch piece. When made in this manner, the end cleat of the splice end shall be nominal 4-inch lumber. When the component unit pack sizes exceed dimensions shown in the listing in Figure 1, the dimensions of the tool outfit box shall be increased to the minimum amount necessary to accommodate the increased size.

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3.5 Marking. Shipping containers and palletized loads shall be marked in accordance with MIL-STD-129. For purposes of the preservation and packing level marking, Level A/A shall be used (see 6.4).

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by 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 supplies and services conform to prescribed requirements.

4.1.1 Material inspection. The contractor is responsible for insuring that supplies and materials used are manufactured, examined, and tested in accordance with referenced specifications and standards, as applicable.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- (a) Preproduction pack inspection (see 4.3).
- (b) Quality conformance inspection (see 4.4).

4.3 Preproduction pack inspection.

4.3.1 Examination. The preproduction pack shall be examined for the defects specified in 4.5.1. Presence of one or more defects shall be cause for rejection.

4.4 Quality conformance inspection.

4.4.1 Unit of product. For the purpose of inspection, a completed pack of any one level prepared for shipment shall be considered a unit of product.

4.4.2 Sampling. Sampling for examination shall be in accordance with MIL-STD-105.

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4.4.3 Examination. Samples selected in accordance with 4.4.2 shall be examined for the defects specified in 4.5.1. Acceptable Quality Level (AQL) shall be 2.5 percent defective.

4.5 Inspection procedure.

4.5.1 Examination. Packs shall be examined for the following defects:

Major

101. Materials, methods, or containers not as specified for preservation, intermediate packing, or packing. Each incorrect material, method, or container shall constitute one defect.
102. Membranes of all types not preserved and packed as specified.
103. Anchors not packed as specified.
104. Membrane adhesive and nonskid compound not unit packed in pail size specified.
105. Membrane adhesive and nonskid compound not palletized as specified.
106. Sealant (EC801/1622) not packed and overpacked as specified.
107. Sealant, weatherban 101, not packed and overpacked as specified.
108. Tool outfit box not as specified.
109. Tool outfit box not strapped as specified.

5. PREPARATION FOR DELIVERY

(Not applicable to this specification).

6. NOTES

6.1 Intended use. This specification is intended to be used by depots or other storage activities for the economical gathering of and packing of the various items listed in the heavy-duty airfield surfacing membrane set (SC 5680-CL-E05) for delivery to the user.

6.2 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Time frame required for submission of preproduction pack (see 3.1).

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6.3 Preproduction pack. Any changes or deviations of production packs from the approved preproduction pack will be subject to the approval of the contracting officer. Approval of the preproduction pack will not relieve the contractor of his obligation to preserve, pack, and mark the heavy-duty airfield surfacing membrane set in accordance with this specification.

6.4 The nature of the sole end use of these items is such that only a single level of pack is suitable. The Level A pack represents both the maximum and minimum acceptable level of protection.

6.5 Tool outfit components. It is to be normally anticipated that the tool outfit components will be procured as GFP from GSA where all items are normally stocked. The NSN's and unit packing for all items are as follows:

<u>NSN</u>	<u>ITEM</u>	<u>UNIT PACK</u>	<u>CONSOLIDATION PACK</u>
8020-00-205-6501	Brush, Varnish, Flat	Paper or P. E. Film Wrapped	None
8020-00-682-6512	Cover, Paint Roller	P. E. Film Enclosed and Sealed	12 Per Box
5120-00-679-5655	Gun, Caulking	None	6 Per Box
7920-00-682-6512	Handle, Wood	None	12 Per Bundle
5120-00-221-1536	Knife, Putty	None	12 Per Carton
8020-00-753-4915	Roller, Paint	None	12 Per Box

Custodians:

Army - ME
Navy - YD
Air Force - 84

Preparing activity:

Army - ME

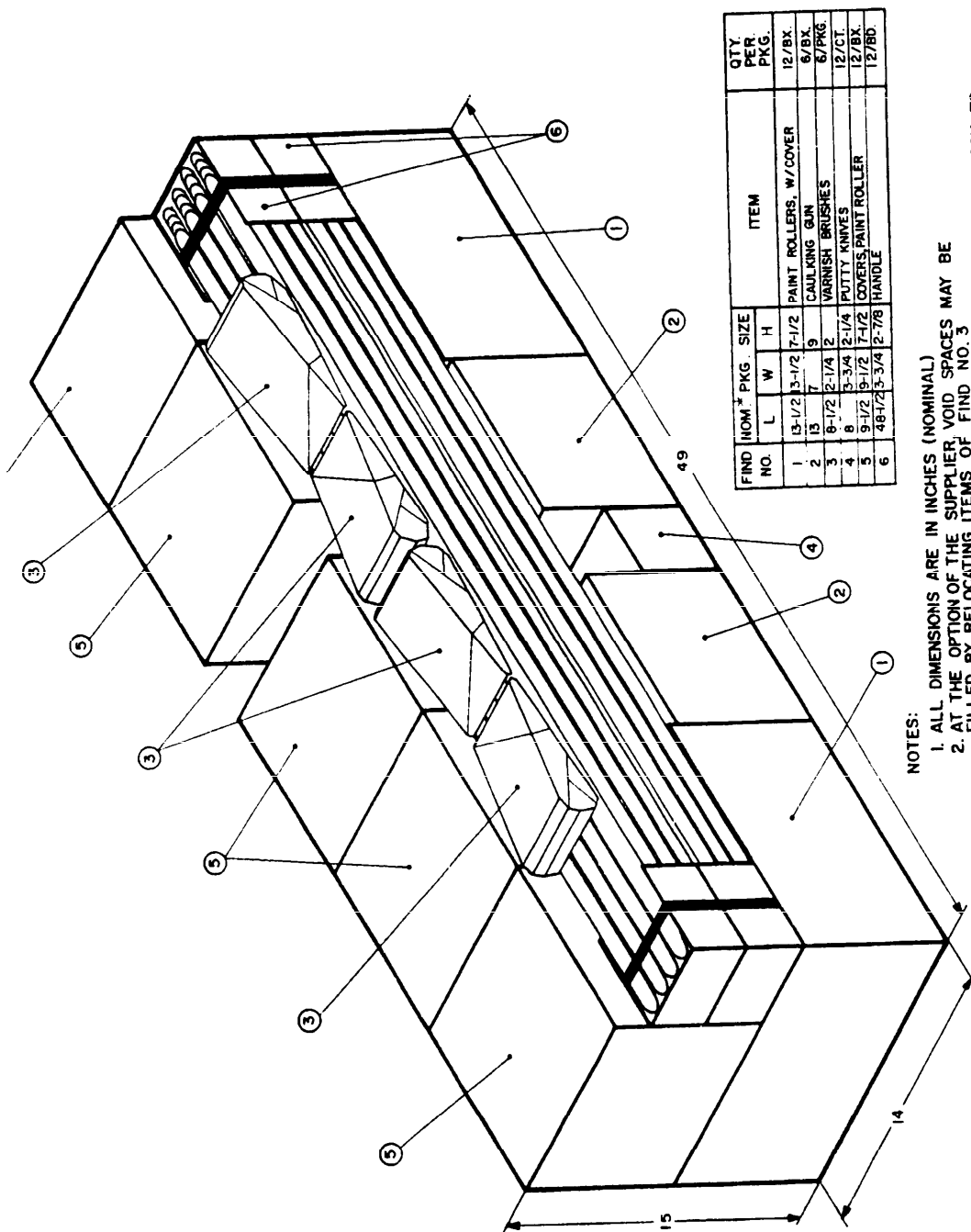
Review activities:

Army - MD, SM

User activities:

Navy - MC

Project No. 5680-0068



FIND NO.	NOM * PKG. SIZE			ITEM	QTY PER PKG.
	L	W	H		
1	13-1/2	13-1/2	7-1/2	PAINT ROLLERS, W/COVER	12/BX.
2	13	7	9	CAULKING GUN	6/BX.
3	8-1/2	2-1/4	12	VARNISH BRUSHES	6/PKG.
4	8	3-3/4	2-1/4	PUTTY KNIVES	12/CT.
5	9-1/2	9-1/2	7-1/2	COVERS, PAINT ROLLER	12/BX.
6	48-1/2	3-3/4	2-7/8	HANDLE	12/BD.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (NOMINAL)
2. AT THE OPTION OF THE SUPPLIER, VOID SPACES MAY BE FILLED BY RELOCATING ITEMS OF FIND NO. 3
3. INSIDE DIMENSIONS OF OVERSEAS TYPE, STYLE I PPP-B-60I BOX TO CONTAIN TOOL OUTFIT IS DEPENDANT ON COMPONENT PKG. SIZE. WHEN COMPONENT PKG. SIZES ARE AS SHOWN, DIMENSIONS (I.D.) WILL BE:
L = 49, W = 14, H = 15
- *4. SIZE PRESENTLY FURNISHED BY G.S.A. FOR FSN'S PER SET LISTING, FIND NO. 3, FURNISHED BULK.
5. THE BOXED AND LOADED TOOL OUTFIT SHALL BE STRAPPED GIRTHWISE WITH 3/8 X 0.020 FLAT STEEL STRAPPING CONFORMING TO QQ-S-78I, CLASS I, TYPE I OR IV, FINISH B.

FIGURE I. TOOL OUTFIT LOADING CONFIGURATION

X-3073

FOLD

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD - 314



Commander
US Army Mobility Equipment Research and
Development Command
ATTN: DRXFB-DS
Ft. Belvoir, VA 22060

FOLD