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| INCH-POUND |
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A-A-59166

March 16, 1998

SUPERSEDING

MIL-W-5044C

25 August 1970

COMMERCIAL ITEM DESCRIPTION

COATING COMPOUND, NONSLIP (FOR WALKWAYS)

The General Services Administration has authorized the use of this commercial item description as a replacement for Type I and Type II of MIL-W-5044 for all federal agencies.

1. **SCOPE.** This Commercial Item Description covers nonslip compound used for walkways on exterior aircraft surfaces.

2. **CLASSIFICATION.** The walkway compound shall conform to the following types and sizes as specified (see 7.3).

2.1 Type. Type I Smooth texture (without grit)
 Type II Rough texture (with grit)

2.2 Size. 1 Quart
 1 Gallon

3. SALIENT CHARACTERISTICS.

3.1 Compound materials composition. The compound shall have no adverse effect on the health of the personnel when used for its intended purpose. The compound shall not contain any hazardous ingredient as defined in FED-STD-313, nor shall it contain any chemical listed in the current report of known carcinogens of the National Toxicology Program. Specifically, the compound shall not contain benzene, chlorinated solvents or ethylene base glycol ethers and their acetates.

3.1.1 The volatile organic content shall not exceed 420 gram/liter when tested in accordance with ASTM D 3960.

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|---|
| Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: WR-ALC/TILCC, 420 Second Street, Suite 100, Robins AFB, GA 31098-1640. |
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3.1.2 Type I shall be a minimum of 50 percent total solids. Type II shall be a minimum of 60 percent total solids.

3.1.3 The grit used for the Type II compound shall remain suspended and shall not migrate through the coating and cause abrasions to the surface of the underlying metal.

3.2 Color. The walkway compound shall be furnished in colors conforming to FED-STD-595 or as specified in the contract or order (see 7.1 and 7.3).

3.2.1 Color identification. The color identification number shall be formatted in accordance with FED-STD-595.

3.3 Drying times. A coating of the compound shall be sufficiently dry in a maximum of 30 minutes to accept recoating. A single coat of the compound shall be completely dry in a maximum of 6 hours. During and after drying the compound coating shall not crack, separate, lose adhesion, discolor, or deteriorate.

3.4 Consistency. The compound, after hand stirring for no more than 5 minutes, shall have a uniform fluid to solid consistency. There shall be no evidence of surface skins. Settled solids shall easily be reincorporated, upon stirring, to form a uniform mixture. The compound shall maintain a hand brushable consistency.

3.5 Wear resistance. The compound, coating a walkway, shall be resistant to wear as specified in 5.3.

3.6 Adhesion and flexibility. The walkway compound shall adhere to metal surfaces in temperatures from -60°F to +200°F. The walkway compound, after applied to a surface, shall not crack, soften, blister, discolor, separate, or deteriorate when bent through an arc of 180° around a 2 inch mandrel within the specified temperature range.

3.7 Fuel and fluid resistance. The walkway compound, after application, shall be resistant to aircraft lubricants, hydraulic fluids, hydrocarbon fuels JP-4, JP-5, and JP-8, and deicing fluids.

3.8 Shelf life. A new container of walkway compound shall be satisfactory for use after one year of storage in a dry sheltered area at room temperature or 75°F ±5°F.

4. REGULATORY REQUIREMENTS.

4.1 Material Safety Data Sheet (MSDS). The offeror/contractor shall submit an MSDS with each shipment of walkway compound. The MSDS shall be prepared in accordance with FED-STD-313.

4.2 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable. In accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS.

5.1 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be specified in the contract.

5.2 Market acceptability. One of the market acceptability criteria specified in 5.2.1, 5.2.2, or 5.2.3 are necessary to document the quality of the product to be provided under this CID.

5.2.1 The company producing the item must have been producing a product meeting the requirements of this CID, for at least 2 years.

5.2.2 The company, offering the item, must have sold 1000 units, meeting this CID, in the commercial market place or to the Government over the past 2 years.

5.2.3 The company producing the item must submit a sample of their product from their own production. The product sample shall meet the requirements of this CID.

5.3 Wear resistance. The walkway coating shall withstand 5000 wear cycles when tested as specified in FED-STD-141, method 6192.1 (see 3.5).

6. PACKAGING.

6.1 Packaging. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

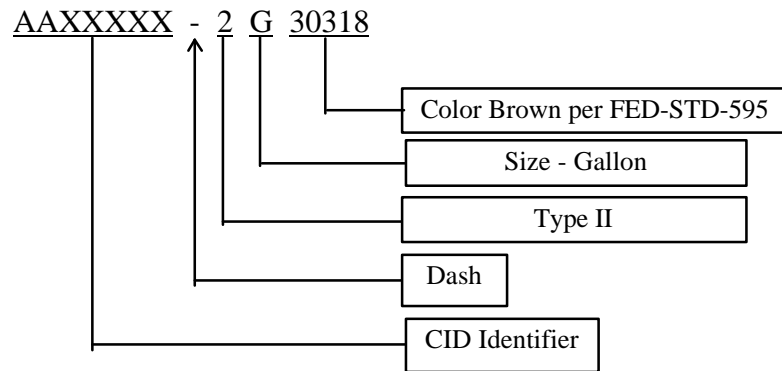
7.1 Part identification number (PIN). The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

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The following example describes of the PIN for CID A-A-XXXXX.

AAXXXXX-2G30318

Example of referenced PIN



Type: 1 = Type I
2 = Type II

Size: Q = Quart
G = Gallon

| Color: | NUMBER | | COLOR |
|--------|--------|---|------------------------|
| | 25414 | = | Blue |
| | 26270 | = | Gray |
| | 30318 | = | Brown |
| | 36081 | = | Gray |
| | 36231 | = | Gray |
| | 36251 | = | Gray |
| | 36440 | = | Light gray |
| | 37038 | = | Black |
| | 37875 | = | White |
| | CLEAR | = | Transparent or Neutral |

7.2 Source of documents.

7.2.1 Federal Standards are available from the Standardization Documents Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

7.2.2 ASTM standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken PA 19428-2959.

7.3 Ordering data. Procurement documents should specify the following:

Title, number, and date of this CID

Type (see 2.1)

Size (see 2.2)

Color number (see 3.2)

Quantity

7.4 National Stock Numbers (NSNs). The following is a list of assigned NSNs, which correspond to this CID. The list may not be indicative of all possible NSNs associated with this CID.

| FED-STD-595 | | | |
|------------------|------|--------|-------|
| NSN | Type | Size | Color |
| 8010-00-141-7838 | II | Gallon | 34087 |
| 8010-00-141-7840 | I | Gallon | 36440 |
| 8010-00-141-7842 | II | Gallon | 36440 |
| 8010-00-142-6525 | II | Quart | 37038 |
| 8010-00-151-4903 | II | Gallon | 25414 |
| 8010-00-202-1251 | I | Gallon | 37875 |
| 8010-00-202-2499 | I | Gallon | 36081 |
| 8010-00-599-9201 | II | Gallon | 36081 |
| 8010-00-641-0426 | II | Gallon | 36231 |
| 8010-00-641-0427 | II | Gallon | 37038 |
| 8010-00-641-0428 | I | Gallon | 36231 |
| 8010-00-641-0429 | I | Gallon | 37038 |
| 8010-01-106-7786 | I | Gallon | 30318 |
| 8010-01-280-5130 | II | Gallon | 36251 |
| 8010-01-382-3709 | II | Gallon | 26270 |

Custodians:

Air Force - 99

Army - AV

Navy - AS

Preparing activity:

Air Force - 84

Agent:

Air Force - 99

Review activities:

Army - MI

Navy - SH

(Project 8010-9802)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER
A-A-59166

2. DOCUMENT DATE (YYMMDD)
98/03/16

3. DOCUMENT TITLE

COATING COMPOUND, NONSLIP (FOR WALKWAYS)

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(include Zip Code)*

d. TELEPHONE *(Include Area Code)*

e. DATE SUBMITTED
(YYMMDD)

(1) Commercial

(2) AUTOVON
(If applicable)

8. PREPARING ACTIVITY

a. NAME

WR-ALC/TILCC

b. TELEPHONE *(Include Area Code)*

(1) Commercial

(2) AUTOVON

(912) 926-6630

468-6630

c. ADDRESS *(Include Zip Code)*

460 2nd STREET STE 221
ROBINS AFB GA 31098-1640

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:

Defense Quality and Standardization Office
5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466
Telephone (703) 756-2340 AUTOVON 289-2340