

## 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 7.2).

|                  |         |                               |
|------------------|---------|-------------------------------|
| 2.1 <u>Type.</u> | Type I  | Smooth texture (without grit) |
|                  | Type II | Rough texture (with grit)     |

|                  |          |
|------------------|----------|
| 2.2 <u>Size.</u> | 1 Quart  |
|                  | 1 Gallon |

## 3.0 SALIENT CHARACTERISTICS.

3.1 Compound material 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 Compound material composition. The volatile organic content shall not exceed 420 gram/liter when tested in accordance with ASTM D3960.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: WR-ALC - AFLCMC/WNZ, 235 Byron Street Suite 19A, Robins AFB, GA 31098-1670. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil/>.

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 7.2).

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.

#### 4.0 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 Recycled recovered materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR). However, used, rebuilt, or refurbished items shall not be provided.

## 5.0 PRODUCT CONFORMANCE 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).

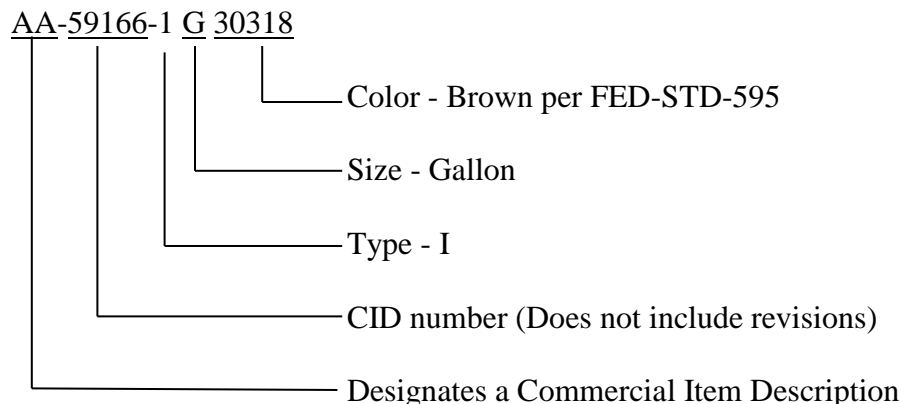
## 6. PACKAGING.

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

## 7.0 NOTES.

7.1 Part Identifying Number (PIN). The following PIN is developed for Government purposes and use with this CID. It does not constitute a requirement for the contractor:

Example PIN – AA59166-1G30318



A-A-59166A

Type: 1 = Type I                      Size: Q = Quart  
       2 = Type II                        G = Gallon

Color:

| <u>NUMBER</u> | = | <u>COLOR</u>           |
|---------------|---|------------------------|
| 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 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

7.3 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.

| NSN              | Type | Size   | FED-STD595<br>Color |
|------------------|------|--------|---------------------|
| 8010-00-141-7838 | II   | Gallon | 34084               |
| 8010-00-141-7840 | I    | Gallon | 36440               |
| 8010-00-141-7842 | II   | Gallon | 36440               |
| 8010-00-142-6525 | II   | Gallon | 37038               |
| 8010-00-151-4903 | II   | Quart  | 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               |

7.4 Source of documents.

7.4.1 Department of Defense and Federal documents may be obtained at <https://assist.dla.mil> or from the Document Automation and Production Service, Bldg 4D, 700 Robbins Avenue, Philadelphia PA 19111-5094.

7.4.2 FAR may be obtained from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Electronic copies of the FAR may be obtained from [www.acquisition.gov/far/](http://www.acquisition.gov/far/).

7.4.3 ASTM standards may be obtained from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Electronic copies of ASTM standards may be obtained from <http://www.astm.org> .

7.5 Key Words.

Aircraft surfaces  
Rough texture  
Smooth texture

Custodian:

Army - AV  
Navy - AS  
Air Force -84

Preparing activity:

Air Force - 84

Reviewer:

Army - MI  
Navy - SH  
Air Force – 99

Agent:

Air Force – 99

Project 8010-2014-003

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