

[METRIC]  
A-A-59116  
3 September 1997  
SUPERSEDING  
MIL-P-47170A (MI)  
30 March 1992

## COMMERCIAL ITEM DESCRIPTION

### PRIMER, SILICONE RUBBER SEALANT

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

#### 1. SCOPE

1.1 Scope. This specification covers the requirements for a room-temperature drying silicone rubber sealant primer. The primer may be used to promote adhesion of the sealant covered by MIL-A-46106, and similar hard-to-bond surfaces. The usage of primer should be substantiated by tests for the surfaces in question. The primer may be applied by dipping, brushing or spraying. The primer and sealant, used as a system, shall be manufactured by the same company.

#### 2. SALIENT CHARACTERISTICS

2.1 Material. The material shall be a room-temperature drying primer compatible with sealant conforming to MIL-A-46106, Type I.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-RD-SE-TD-ST, Redstone Arsenal, AL 35898-5270.

AMSC N/A  
DISTRIBUTION STATEMENT A.  
distribution is unlimited.

FSC 8040  
Approved for public release;

## A-A-59116

2.2 Chemical property. The material shall meet the chemical properties specified in 2.2.1 and 2.2.2.

2.2.1 Nonvolatile solids. The nonvolatile solids content shall be 14 to 17 percent by weight.

2.3 Physical properties. The material shall meet the physical properties specified in 2.3.1, 2.3.2, and 2.3.3.

2.3.1 Viscosity. The viscosity of the material at 25° Celsius (C) (77° Fahrenheit (F)) shall be 2 to 10 centipoises when determined with a Brookfield viscometer, or equivalent, using an LVF No. 1 spindle rotating at 60 revolutions per minute..

2.3.2 Appearance. The primer shall be fluorescent pink.

2.3.3 Shelf life. The shelf life of the primer in original, unopened containers shall be up to 12 months from date of shipment when stored in a clean, dry environment at temperatures below 43.3 °C (110 °F).

2.4 Workmanship. The workmanship shall be such as to ensure a product which is uniform, in conformance with this specification, and properly packaged and packed. The primer shall be free of dirt, foreign material, or other contamination. Containers shall be clean, uniformly filled, well-sealed, and legibly marked.

### 3. REGULATORY REQUIREMENTS

3.1 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).

### 4. QUALITY ASSURANCE PROVISIONS

4.1 Product Conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4.1.1 The contractor may use his normal quality assurance procedures for manufacture of this product; however, should a disagreement arise between the Government and its customer or between the Government and the manufacturer concerning compliance to the salient characteristics of this commercial item description, the test methods and tests

## A-A-59116

stated in this commercial item description will be used to determine compliance of the product.

4.2 Market acceptability (MA). The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

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

4.2.2 The company must have sold 1000 units meeting the requirements of this CID in the commercial marketplace over the past two years.

### 5. PACKAGING.

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

### 6. NOTES

#### 6.1 Source of documents.

6.1.1 Federal and military specifications, standards, and handbooks. Federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

6.2 Product names. This silicone sealant rubber primer is available commercially as GE silicone SS4004. SS4004 is available from Adhesives, Inc., Pelham, AL, 35124 (800) 288-4301.

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

Preparing activity:  
Army - MI

Project no. 8040-0543