

[METRIC]  
A-A-3139  
March 3, 1998  
SUPERSEDING  
MMM-A-137D  
August 4, 1976

## COMMERCIAL ITEM DESCRIPTION

### ADHESIVE, RESILIENT FLOORING, (WATER-BASED)

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

1. SCOPE. This commercial item description covers two types of adhesive suitable for the installation of resilient vinyl or other resilient flooring to on or above grade floors.

2. CLASSIFICATION. The adhesives shall conform to the following two types:

Type I - high viscosity for trowel application

Type II - low viscosity for spray application

3. SALIENT CHARACTERISTICS.

3.1 Material: The adhesive shall consist of a binder in a water-based suspension uniformly mixed with inorganic fillers and other additives to control odor and prohibit mold growth. It shall be homogeneous and free of lumps or foreign particles and shall not show evidence of separation or settling.

Beneficial comments, recommendations, additions, deletions, clarifications, etc and any other data which may improve this document should be sent to: General Services Administration, GSA Center (10FTE), Auburn, Washington 98001.

FSC 8040

A-A-3139

3.2 Viscosity: The viscosity of the Type I adhesive shall not be less than 80,000 nor more than 250,000 cps, and the viscosity of the Type II adhesive shall not be less than 40,000 nor more than 120,000 cps when tested in accordance with ASTM D 1084, method B using a Brookfield viscometer (or equivalent) and number 7 spindle at 10 rpm.

3.3 Drying time: The adhesive shall be dry to the touch in not more than 3 hours when tested as follows: Stir the adhesive until uniform. Spread a sample of the adhesive on an aluminum plate approximately 45 x 150 x 0.8 mm (1.75 x 6 x 0.031 inches) using a Bird Film Applicator set or equivalent with a gap clearance of 0.25 mm (0.010 inch). Allow the adhesive on the plate to dry in open air at standard conditions (23 +/- 2 deg. C) and 50 +/- 5% humidity for not longer than 3 hours. The film is dry if it does not transfer solvent to the finger under light pressure.

3.4 Peel strength: The peel strength of the cured adhesive shall not be less than 700 N/M (4 lb/in) when tested in accordance with ASTM D 903. The test adherends shall be No. 1 white pine board, 9 cm x 15 cm x 1 cm (2.75 x 6 x 3/8 inches) panels and 627.4 g/sq. M (30 oz/sq yd) cotton duck. The pull angle shall be 90 degrees instead of 180 degrees, and the crosshead pull speed shall be 2.54 cm/min (1 inch/min) instead of 30 cm/min (12 in/min).

3.5 Color: The color of the adhesive shall be white unless otherwise stated in the contract or purchase order.

#### 4. REGULATORY REQUIREMENTS.

4.1 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).

#### 5. QUALITY ASSURANCE PROVISIONS.

5.1 The contractor shall certify and maintain substantiating evidence that the product offered meets the salient

A-A-3139

characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

6. PACKAGING. Packaging, preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

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

MILITARY INTEREST:

Preparing Activity:  
GSA-FSS

Custodian

Air Force - 99

Review Activity

Air Force - 84