

[METRIC]
A-A-3052
August 12, 1996
SUPERSEDING
MMM-A-188C
January 2, 1975

COMMERCIAL ITEM DESCRIPTION

ADHESIVE, UREA RESIN TYPE (LIQUID AND POWDER)

The General Services Administration has authorized the use of this commercial item description, for all Federal Agencies as a replacement for MMM-A-188C.

1. **SCOPE.** This commercial item description covers three types of urea-formaldehyde thermosetting resin adhesives suitable for use on wood, wood-based substrates, or plastic laminates.

2. CLASSIFICATION

Type A - Powder (with separate curing agent):
Type B - Powder (with incorporated curing agent):
Type C - Liquid (with separate curing agent):

3. SALIENT CHARACTERISTICS

The adhesive shall meet the requirements of ASTM D 4690, Standard Specification for Urea-Formaldehyde Resin Adhesives and the following requirements, which are based on test methods in ASTM D 4690.

Requirement	Minimum	Maximum
Insoluble Matter	—	20%
Amylaceous Matter	—	none
pH	2.5	---
Working Life, hours	2	8
Storage Life	2 years	---

4. REGULATORY REQUIREMENTS

4.1 EPA Priority pollutants. The product shall not contain any of the 17 target chemicals on the EPA 33/50 program list. These chemicals are: benzene, cadmium & compounds, carbon tetrachloride, chloroform, chromium & compounds, cyanides, lead & compounds, mercury & compounds, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, nickel & compounds, tetrachloroethylene, toluene, trichloroethane, trichloroethylene, and xylenes.

4.2 Ozone depleting compounds. The product shall not contain any of the Class I or Class II ozone depleting compounds, as listed in the Federal Register notice of July 30, 1992 (57 Fed Reg. 33753), which include chlorofluorocarbons, halons, carbon tetrachloride, methyl chloroform, and hydrochlorofluorocarbons.

5. QUALITY ASSURANCE PROVISIONS.

5.1 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

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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.

6. PACKAGING. The packaging and packing shall be as specified in the contract or order.

7. NOTES

7.1 Addresses for obtaining copies of referenced documents.

ASTM standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. The issue of the ASTM test methods in effect on the date of the solicitation shall be used to determine compliance with these requirements.

Information on the EPA 33/50 program is available from US EPA 33/50 Program (TS-792A), 401 M Street SW, Washington, DC 20460.

7.2 Supercession information. Types A, B and C of this description replace Type I, II and III of Federal Specification MMM-A-188C, respectively.

7.3. Intended use. This product is intended for use where moderate water resistance is required. It is not a fully waterproof adhesive, and is not intended for that purpose.

7.3 Storage and handling. This product should be kept dry, lightly covered, and between 0° and 26°C (32° and 80°F). Due to the sensitivity of the adhesive to extremes of temperature during shipment, it is recommended that the adhesive be kept out of the sun. If transit and storage conditions necessitate exposure of the adhesive for prolonged periods to temperatures in excess of 26°C, it can be expected that the shelf life will be reduced.

MILITARY CUSTODIANS:

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REVIEW INTEREST:

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PREPARING ACTIVITY

GSA-FSS