

INCH-POUND

MIL-C-83286B(USAF)
 AMENDMENT 3
21 JANUARY 1994
 SUPERSEDING
 AMENDMENT 2
 19 AUGUST 1980

MILITARY SPECIFICATION

COATING, URETHANE, ALIPHATIC ISOCYANATE, FOR AEROSPACE APPLICATION

This amendment forms a part of MIL-C-83286B(USAF) dated 5 October 1973, and is approved for use by the Department of Air Force and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 2

1.3b: Add the following under specified columns:

<u>Color number</u>	<u>Color name</u>
36320	Compass Ghost Grey (Average visual reflectance 31.5%)
36375	Compass Ghost Grey (Average visual reflectance 38.5%)
37200	Aluminized"

PAGE 6

3.5.6, line 2: Delete "0.50 percent" and substitute "1.75 percent"

3.5.6, line 4: Delete "0.75 percent" and substitute "1.75 percent"

3.5.7: Delete and substitute:

"3.5.7 Viscosity, Stormer (Component I). The viscosity (consistency) of component I of the coating material for gloss colors shall be a maximum of 95 Kres Units (KU) when tested in accordance with 4.8.3 and Table V. The viscosity (consistency) of component I of the coating material for camouflage colors shall be a maximum of 115 Kres units (KU) when tested in accordance with 4.8.3 and Table V."

**MIL-C-83286B(USAF)
AMENDMENT 3**

PAGE 7

3.6.2, line 3: Delete "6 hours" and substitute "7 hours".

3.6.3, delete and substitute:

"3.6.3 Viscosity. The initial viscosity for all colors and gloss ranges of the freshly mixed material shall be 17 to 23 seconds in a number 2 Zahn cup, measured in accordance with 4.8.9 except for all gloss ranges of insignia red, insignia blue, clear and black which shall be 16 to 23 seconds in a number 2 Zahn cup when measured in accordance with 4.8.9. After standing for six hours in a closed container and if necessary with addition of a maximum of 20 percent by volume of thinner conforming to MIL-T-81772, the viscosity shall not increase greater than 6 seconds from the initial admixed viscosity."

* 3.6.6: Delete entire paragraph.

PAGE 8

3.7.1.2, Table II: Under Camouflage Colors delete:3 "Maximum of 12, Minimum of 7" and substitute "Maximum of 7, Minimum of 0".

PAGE 10

3.7.3.4, line 5: Delete "3/8- inch" and substitute "1- inch".

3.7.3.4, line 9: Delete "1/2- inch" and substitute "2- inch".

PAGE 12

3.7.3.7, delete and substitute:

"3.7.3.7 Resistance to taping. All colors and gloss ranges of the polyurethane coating, except insignia reds, insignia blues and blacks, shall be sufficiently cured after 6 hours drying time at standard conditions to permit taping without permanent marring of the painted surface. All gloss ranges of insignia reds and insignia blues shall be sufficiently cured after 7 hours drying time at standard conditions to permit taping without marring of the painted surface. All gloss ranges of the blacks shall be sufficiently cured after 16 hours drying time at standard conditions to permit taping without marring of the painted surface. Resistance to taping shall be tested in accordance with 4.8.10."

PAGE 15

4.8.4: Add the following new sentence:

"The above storage stability testing for one year at 70°F to 90°F is for qualification testing only and does not exempt the supplier from meeting the requirements of 3.5.8."

PAGE 17

4.8.6, line 3: Delete "-65°C ± 3°F (-54° ± 1.5°C)" and substitute "-65°F ± 3°F (-54°C ± 1.5°C)".

**MIL-C-83286B(USAF)
AMENDMENT 3**

PAGE 21

6.5, line 2 and 4: Delete "1.2.b" and substitute "1.3.b".

PAGE 23

* Appendix I: Delete in its entirety.

"NOTE: The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are Cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue."

Custodian:
Air Force - 11

Preparing activity:
Air Force - 11

Review activities:
Air Force - 99
Army - AV

Proj No. 8010-F778