

FEDERAL SPECIFICATION

ENAMEL, ALKYD, GLOSS, TINTS AND WHITE (FOR INTERIOR USE)

This amendment, which forms a part of Federal Specification TT-E-506K, dated July 6, 1977, has been approved by the Assistant Administrator, Office of Federal Supply and Services, General Services Administration, for the use of all Federal agencies.

PAGE 1

Paragraph 2.1, under Federal Specifications. Delete "SS-L-30", "TT-E-508", "TT-E-543", "TT-P-650", and "LLL-B-1188".

PAGE 2

Paragraph 2.2, under American Society for Testing and Materials (ASTM) Standards.
Add:

- D 523 - Specular Gloss.
- D 1729 - Visual Evaluation of Color Differences of Opaque Materials.
- D 1849 - Package Stability of Paint.
- D 2698 - Pigment Content of Solvent-Type Paints by High-Speed Centrifuging.
- D 2801 - Leveling Characteristics of Paints by Draw-Down Method.
- D 2805 - Hiding Power of Paints.
- D 3335 - Low concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy.

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Paragraph 3.1.1, line 5. Change "table III" to "table IV".

Paragraph 3.1.3. Change to read:

3.1.3 Solvent. The solvent, when tested as specified in 4.3.15, shall conform to the following requirements by volume:

- (a) Organic solvents having olefinic or cycloolefinic unsaturation: 5 percent maximum.
- (b) Volatile aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent maximum.
- (c) Ethylbenzene, branched structure ketones, or toluene: 20 percent maximum.
- (d) Total of (a) + (b) + (c): 20 percent maximum.
- (e) Benzene: None.
- (f) Halogenated hydrocarbons: None.

Paragraph 3.2, line 4. Change "table V" to "table IV".

Paragraph 3.3.2.1, line 2. Change "4.3.3" to "4.3.2".

Paragraph 3.3.2.2, line 5. Change "viscosity" to "consistency".

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Top left corner, Change "TT-E-596K" to "TT-E-506K".

Paragraph 3.3.6, line 1. Change "4.3.14" to "4.3.6".

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Paragraph 3.3.13, line 2. Change "4.3.13" to "table IV".

TABLE I, line 5, Rosin and rosin derivative. Change "0" under maximum to "negative".

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Top right corner, Change "TT-E-596K" to "TT-E-506K".

PAGE 6

TABLE IV, line 4, Full container. Delete "3022". Add "D 1849" under ASTM Methods.

Line 12, Hydrocarbon resistance. Delete "6011". Add "D 1308" under ASTM Methods.

Line 16, Leveling properties. Add "D 2801" under ASTM Methods. Delete "4.3.13".

Line 17, Pigment. Change "D 476" to "D 2698".

Line 19, Nonvolatile vehicle. Delete "4053". Add "D 2698" under ASTM methods.

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TABLE IV, line 1, Coarse particles. Change "4091" to "4092".

Line 4, Gloss. Delete "6101". Add "D 523" under ASTM Methods and "4.3.17" under paragraph reference.

Line 10, Lead content. Add "D 3335" under ASTM Methods.

Line 14, Color. Delete "4250". Add "D 1729" under ASTM Methods.

Line 15, Hiding power. Delete "4121". Add "D 2805" under ASTM Methods.

Paragraph 4.3.2.2, lines 1 and 2. Change "method 3022 of Federal Test Method Standard No. 141" to "ASTM D 1849".

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Paragraph 4.3.6, line 1. Change "5 um" to "50 um".

Lines 7 and 8. Change "method 6103 of Federal Test Method Standard No. 141A" to "ASTM D 523".

Paragraph 4.3.10, lines 6 and 7. Change "method 6011 of Federal Test Method Standard No. 141" to "ASTM D 1308".

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Paragraph 4.3.13. Delete in its entirety.

Paragraph 4.3.14. Change to read:

"4.3.14, Lead content. Determine lead content in accordance with ASTM D 3335 or as specified below. In case of dispute, the following procedure shall be used."

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Paragraph 4.3.16, lines 4 and 5. Change "method 4250 of Federal Test Method Standard No. 141" to "ASTM D 1729".

Add new paragraph 4.3.17 as follows:

4.3.17 Gloss. Draw down the enamel on plane, opaque, white glass panels specified in 2.1.5 of method 2021 of Federal Test Method Standard No. 141 with a film applicator which will produce a wet film thickness of 76 ± 2 um (0.003 ± 0.0001 inch). Determine 60° specular gloss in accordance with ASTM D 523 after 48 hours and 168 hours air drying at $23 \pm 1^\circ\text{C}$ ($73 \pm 2^\circ\text{F}$) and a relative humidity of 50 ± 4 percent in a dust-free environment.