

Cape Cod Community College AMTS

Practical Project Guide for AMT 205 Airframe Curriculum, Subject Item 7

Part 147, Appendix C, Part 1, Subject C Aircraft Finishes

Item 7. Identify and select aircraft finishing materials. (Level 2)

Project 1

Purpose: To acquaint the student with proper procedures to identify and select proper aircraft finishing and materials.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31) Chapter 8
- (2) AC 43.13-1B Chapters 1 and 2

Equipment and Tools Needed:

- (1) Skymaster Wings
- (2) Snap-on tool box
- (3) Personal Protection Equipment (PPE)

Supplies and Materials Needed:

- (1) Inspection Equipment
- (2) Scrapers

Procedure:

- (1) Identify, check, and remove paint using approved methods from the AC 43.13-1B, Chapter 2.
- (2) Once paint is removed, and surface is clean, select proper paint and mil level for the area to be painted.

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Practical Project Guide for AMT 205 Airframe Curriculum, Subject Items 8 and 9

Part 147, Appendix C, Part 1, Subject C Aircraft Finishes

Item 8. Identify and select aircraft finishing and materials. (Level 2)

Item 9. Inspect finishes and identify defects. (Level 2)

Project 2

Purpose: To acquaint the student with proper procedures to apply and inspect finishing materials.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volume 1 (FAA-H-8083-31) Chapter 8
- (2) AC 43.13-1B Chapters 1 and 2

Equipment and Tools Needed:

- (1) Skymaster Wings
- (2) Sim Spray
- (3) Snap-on tool box
- (4) Personal Protection Equipment (PPE)
- (5) Paint gun
- (6) Air hoses

Supplies and Materials Needed:

- (1) Inspection Equipment
- (2) Scrapers

Procedure:

- (1) Apply aircraft paint using the Sim Spray on several different types of panels until proficient enough to enter the paint booth.
- (2) Apply aircraft paint using appropriate paint gun and setting as per the AC 43.13-1B, Chapter 2 and manufacturer's instructions on previously cleaned Skymaster wings.
- (3) After painting is complete, inspect finishes and identify any defects as per the AC 43.13-1B and paint manufactures instructions.

Perform inspection on painted surfaces and identify defects as per the AC 43.13-1B.

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