

REVISIONS

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NAME	DATE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY CENTER FOR SPACE RESEARCH			
Drawn: M. Smith <i>M. Smith</i>	7-3-96	Paint Application Requirements			
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Released: <i>John Conroy</i>	7/3/96				
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Paint Application, Requirements

1.0 SCOPE

This specification outlines the requirements for handling and processing of material that is to be painted, requiring contamination control, for the AXAF CCD Imaging Spectrometer (ACIS) Instrument.

1.1 Introduction

The application of paint onto different surfaces of the AXAF CCD Imaging Spectrometer (ACIS) Instrument is necessary for thermal purposes. The type of paint used is determined by the Thermal Engineer and is depicted on the specific engineering drawing. The cleaning of the material, after the paint has dried, can only be performed using deionzed water, mild soap solutions, and lightly alcohol, dampened wipes. Therefore, extreme care must be taken during the painting process not to contaminate the surfaces of the item being painted.

2.0 Applicable Documents

NONE

3.0 Requirements

3.1 Handling The item shall be handled with clean, contamination-free, gloves at ALL times.

3.2 Working Surfaces All working surfaces that the item is placed on must be clean. The working surface is to be cleaned using electronic grade alcohol or equivalent, until no residue is visible when wiped with a clean, alcohol dampened, wipe.

3.3 Masking Masking material used shall not leave any tape residue on the surface of the item.

3.4 Curing When the primer and paint is curing, signs must be placed near the item that state
DO NOT TOUCH WITH BARE HANDS. WEAR CLEAN
CONTAMINATION-FREE GLOVES WHEN HANDLING.

3.5 Bagging/Storage When the paint has cured, store in a NYLON 6 bag, supplied by MIT.

Place the following MIT supplied label on the outer portion of the bag, both sides;

CAUTION

Do not touch with bare hands.

Wear clean, contamination-free gloves when removing panel from bag.

4.0 QUALITY ASSURANCE PROVISIONS

- 4.1 Responsibility for inspection The manufacturer shall be responsible for applying paint in accordance with the engineering drawing and this specification.
- 4.2 Acceptance Each painted item shall be subjected to inspection by MIT. There shall be no fingerprints, oils, grease or other contamination on any surface. Particulates shall be acceptable.
- 4.3 Source Inspection When the item has been inspected by the suppliers Quality Control, notify MIT Quality Control for source inspection. Contact Matt Smith (617) 252-1736.