

**AEROSPACE
MATERIAL
SPECIFICATION**

SAE AMS-I-7171

REV. A

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Superseding AMS-I-7171

Insulation Blanket, Thermal-Acoustical

FSC 5640

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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This document has been taken directly from U.S. Military Specification MIL-I-7171D and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-I-7171D. Any part numbers established by the original specification remain unchanged.

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1. SCOPE:

1.1 Scope:

This specification covers the requirements of composite blankets suitable for acoustical and thermal insulation of the walls of aircraft compartments within the temperature range of -65°F to +175°F (-54°C to +80°C).

1.2 Classification:

Insulation blankets are furnished in the following types, classes, and styles, as specified (see 6.2b):

1.2.1 Type:

Type I - Quilted blanket
Type II - Cemented blanket

1.2.2 Class:

Class 1 - Semi-stitched blankets
Class 2 - Fully-stitched blankets

1.2.3 Style:

Style A - Non-porous trim cloth
Style B - Porous trim cloth

2. APPLICABLE DOCUMENTS:

The following publications, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

P-D-680	Dry Cleaning, and Degreasing Solvent
V-T-295	Thread, Nylon
QQ-A-250/4	Aluminum Alloy 2024, Plate and Sheet
UU-P-268	Paper, Kraft, Wrapping
PPP-B-576	Box, Wood, Cleated, Veneer, Paper Overlaid
PPP-B-591	Boxes, Fiberboard, Wood-Cleated
PPP-B-601	Boxes, Wood, Cleated-Plywood