

**AEROSPACE
MATERIAL
SPECIFICATION**

SAE AMS3333

REV. B

Issued 1998-03
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Stabilized 2012-01
Superseding AMS3333A

Sealing Compound, Polysulfide
For Aircraft Windshields and Canopies, For Use up to 250 °F (121 °C)

RATIONALE

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

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1. SCOPE

1.1 Form

This specification covers types and classes of polysulfide sealing compound supplied as a two-component system suitable for application by brush, or by extrusion gun, spatula brush, or roller.

1.2 Application

This product has been used typically for sealing aircraft windshields and canopies. This includes both sealing between the windshield/canopy and the aircraft structure for pressure sealing, and sealing around the windshield/canopy for weather sealing, but usage is not limited to such applications. The sealing compound cures at room temperature and may have an accelerated cure at higher temperatures. The sealing compounds are usable from -65 to 250 °F (-54 to 121 °C).

NOTICE: Class A material is not intended for use on plastic windshields or canopies.

1.3 Types

This specification covers the following types:

Type I - Low peel strength
Type II - High peel strength

1.4 Classification

Sealing compounds are classified as follows:

Class A - Suitable for brush application. Available in the following application times:

A-1/2
A-2

Class B - Suitable for application by extrusion gun, spatula, brush, or roller. Available in the following application times:

B-1/4
B-1/2
B-2

1.5 Safety - Hazardous Materials

While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

AMS2471	Anodic Treatment of Aluminum Alloys, Sulfuric Acid Process, Undyed Coating
AMS3819	Cloths, Cleaning, for Aircraft Primary and Secondary Structural Surfaces
AMS4045	Aluminum Alloy, Sheet and Plate, 5.6Zn - 2.5Mg - 1.6Cu - 0.23 Cr, (7075; -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
AMS4049	Aluminum Alloy, Sheet and Plate, Alclad, 5.6Zn - 2.5Mg - 1.6Cu - 0.23 Cr, (Alclad 7075; -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
AMS4911	Titanium Alloy, Sheet, Strip, and Plate 6Al - 4V Annealed-UNS R56400
AMS5516	Steel, Corrosion-Resistant, Sheet, Strip and Plate, 18Cr - 9.0Ni (SAE 30302), Solution Heat Treated
AMS3101	Adhesion Promoter for Polysulfide Sealants, Non-Crazing of Acrylic and Polycarbonate
AMS5127	Methods for Testing Aerospace Sealants
AMS5127/1	Methods for Testing Aerospace Sealants, Two-Component Synthetic Rubber Compounds
AMS-G-25667	Glass, Monolithic, Aircraft Glazing
AMS-P-83310	Plastic, Sheet, Polycarbonate, Transparent
ARP1917	Clarification of Terms Used in Aerospace Metals Specifications
AS7001	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Program Description
AS7002	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Rules for Implementation
AS7003	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Program Operation
AS7200/1	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit and Inspection Procedures and Checklists for the Sealant Manufacturers Accreditation Program
AS7201	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Accreditation of Pass-Thru Distributors
AS7202	National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Accreditation of Value Added Distributors